



UNIQUE DIESEL

2014  
CATALOG

# UNIQUE DIESEL

ENGINE PARTS



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# Your Experts for Diesel Engine Parts

Welcome to Unique Diesel, the experts for diesel engine parts in the global aftermarket.

Thank you for your interest in our company, our products and our services. You have come to the right place to meet your needs for diesel engine parts.

Unique Diesel focuses on diesel engine components for commercial vehicles, off-road, and tractor engines. We market our own brand, "Unique Diesel" worldwide.

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Unique Diesel

## The Company

Unique Diesel is a professional manufacturer and distributor for engine and spare parts. Our products include heavy duty (truck), off-road and tractor.

Europe applications: Mercedes, Man, Volvo, John Deere, Scania, Deutz,  
Iveco, Perkins, etc.

USA applications: Cummins, Cat, International/Navistar, Detroit Diesel, Ford, etc.

Unique Diesel products offer comparable quality and long service life to the OE standard.

In addition, we offer our customers a worldwide competitive edge through high availability, economic efficiency and technical professional services.

We always try to meet the demand of all markets but still cater for the individual requirements for quality and service.

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## The Team

Unique Diesel is a young highly motivated company. Our Team has many years of experience in the business and with specific knowledge of the products. We know exactly what you need and will gladly assist you.

## One-stop Solutions

At your specific request, we can supply you with complete kits for your diesel engine components.

We have many years of technical experience in the spare parts trade and we are capable of processing even complex specifications and requirements. We supplement our Unique Diesel products by sourcing products from numerous well-known, reputable Asian and approved spare parts manufacturers.

## Mission

Our objective is to supply your needs now and into the future with the highest quality components. With the customer in mind we are investing in product development and inventories. We are looking to satisfy all your future needs.

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# IMPORTANT INSTRUCTIONS

All names, numbers, descriptions of vehicles or manufacturers etc. in this catalog are only stated for reference. The original spare parts numbers of vehicles and engine manufacturers, when quoted, only serve for internal reference. They are not deemed to be designations of origin and must not be used towards vehicle owners.

The information has been carefully compiled but we should emphasize that it is non-committing. Any claims for damages based on this information will not be recognized. Any references to errors in the catalog which you may advise are welcome and will lead to corrections in future issues of the catalog

Any reprint, imitation and reproduction, even as excerpts, shall be subject to our prior approval in writing with exact indication of the source. The publication of this catalog renders all former issues obsolete.

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## WARRANTY

We guarantee that all parts provided by us are free from fault in the material or in manufacturing. Not covered by this guarantee are ordinary wear and tear, damage in transit, damage arising out of the failure to abide by the regulations of any particular motor manufacturer or any other inappropriate treatment or damage resulting from of any alterations made to a part by the purchaser. We also guarantee that all part provided by us are functionally interchangeable with the original parts set out in our catalog

Where one of the above-mentioned events bringing the guarantee into force has occurred we shall at our election either repair the fault or replace the part. All further liability arising out of the guarantee is excluded, for example the costs of assembly or disassembly or consequential loss.

Liability under the guarantee will also cease nine months after the dispatch of the parts unless the purchaser has prior to this given written notice of the event bringing the guarantee into force.

All statutory rights of the purchaser, in particular in relation to warranty claims, are not affected by the above provisions and are governed by our general terms of business.

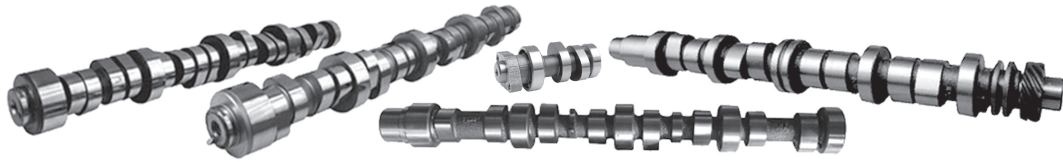
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## CAMSHAFT

| UNIQUE No. | Engine Brand | Engine Type | Part No. |
|------------|--------------|-------------|----------|
| 2206 1000  | CATERPILLAR  | 3304        | 8N4111   |
| 2206 1100  | CATERPILLAR  | 3306        | 8N3981   |
| 2206 3500  | CATERPILLAR  | S6K         |          |
| 2106 0100  | CUMMINS      | 4BT         | 3929039  |
| 2106 0101  | CUMMINS      | 4BT         | 3929885  |
| 2106 0200  | CUMMINS      | 6BT         | 3929042  |
| 2106 0201  | CUMMINS      | 6BT         | 3914638  |
| 2106 0202  | CUMMINS      | 6BT         | 3914639  |
| 2106 0203  | CUMMINS      | 6BT         | 3907824  |
| 2106 0204  | CUMMINS      | 6BT         | 3929886  |
| 2106 0205  | CUMMINS      | 6BT         | 3925582  |
| 2106 0206  | CUMMINS      | 6BT         | 3910624  |
| 2106 0207  | CUMMINS      | 6BT         | 3970366  |
| 2106 0300  | CUMMINS      | 6CT         | 3914640  |
| 2106 0301  | CUMMINS      | 6CT         | 3923478  |
| 2106 0302  | CUMMINS      | 6CT         | 3976620  |
| 2106 0303  | CUMMINS      | 6CT         | 3929734  |
| 2106 0304  | CUMMINS      | 6CT         | 3924471  |
| 2106 0305  | CUMMINS      | 6CT         | 3935716  |
| 2106 0306  | CUMMINS      | 6CT         | 3935715  |
| 2106 0307  | CUMMINS      | 6CT         | 3927693  |
| 2106 0308  | CUMMINS      | 6CT         | 3930347  |
| 2106 0400  | CUMMINS      | 6L          | 3976620  |
| 2106 0401  | CUMMINS      | 6L          | 3966431  |
| 2106 0700  | CUMMINS      | K19         | 3066881  |
| 2106 0701  | CUMMINS      | K19         | 3066882  |
| 2106 0702  | CUMMINS      | K19         | 3066877  |
| 2106 0703  | CUMMINS      | K19         | 3066822  |
| 2106 0704  | CUMMINS      | K19         | 3076767  |
| 2106 0705  | CUMMINS      | K19         | 3060610  |
| 2106 1800  | CUMMINS      | K38         | 3070838  |
| 2106 1801  | CUMMINS      | K38         | 3070837  |
| 2106 1802  | CUMMINS      | K38         | 3066884  |
| 2106 1803  | CUMMINS      | K38         | 3066885  |
| 2106 1804  | CUMMINS      | K38         | 3066888  |
| 2106 1805  | CUMMINS      | K38         | 3066889  |
| 2106 1806  | CUMMINS      | K38         | 3062076  |
| 2106 1807  | CUMMINS      | K38         | 3062077  |
| 2106 1808  | CUMMINS      | K38         | 962550   |
| 2106 1809  | CUMMINS      | K38         | 3277463  |
| 2106 1810  | CUMMINS      | K38         | 3278029  |
| 2106 1811  | CUMMINS      | K38         | 3277462  |
| 2106 1812  | CUMMINS      | K38         | 3278031  |
| 2106 1813  | CUMMINS      | K38         | 4896421  |
| 2106 2100  | CUMMINS      | L10         | 3031461  |
| 2106 2101  | CUMMINS      | L10         | 3036117  |
| 2106 2102  | CUMMINS      | L10         | 3803651  |

## CAMSHAFT (Continued)

| UNIQUE No. | Engine Brand  | Engine Type | Part No.   |
|------------|---------------|-------------|------------|
| 2106 2103  | CUMMINS       | L10         | 3804824    |
| 2106 2104  | CUMMINS       | L10         | 3037523    |
| 2106 2105  | CUMMINS       | L10         | 3803650    |
| 2106 2106  | CUMMINS       | L10         | 3804823    |
| 2106 2107  | CUMMINS       | L10         | 3895679    |
| 2106 2108  | CUMMINS       | L10         | 3895809    |
| 2106 2109  | CUMMINS       | L10         | 3895805    |
| 2106 2300  | CUMMINS       | M11         | 4004556    |
| 2106 2301  | CUMMINS       | M11         | 3087856    |
| 2106 2302  | CUMMINS       | M11         | 4022186    |
| 2106 2400  | CUMMINS       | N14         | 3044767    |
| 2106 2401  | CUMMINS       | N14         | 3800855    |
| 2106 2500  | CUMMINS       | NH220       |            |
| 2106 2600  | CUMMINS       | NT855       | 111888     |
| 2106 2601  | CUMMINS       | NT855       | 129860     |
| 2106 2602  | CUMMINS       | NT855       | 3023228    |
| 2106 2603  | CUMMINS       | NT855       | 3608840    |
| 2106 2604  | CUMMINS       | NT855       | 143450     |
| 2106 2605  | CUMMINS       | NT855       | 3023177    |
| 2106 2606  | CUMMINS       | NT855       | 3023229    |
| 2106 2607  | CUMMINS       | NT855       | 3608842    |
| 2106 2608  | CUMMINS       | NT855       | 3023874    |
| 2106 2609  | CUMMINS       | NT855       | 3047452    |
| 2106 2610  | CUMMINS       | NT855       | 3049023    |
| 2106 2611  | CUMMINS       | NT855       | 3801763    |
| 2106 2612  | CUMMINS       | NT855       | 3025518    |
| 2106 2613  | CUMMINS       | NT855       | 3026975    |
| 2106 2614  | CUMMINS       | NT855       | 3042568    |
| 2106 2615  | CUMMINS       | NT855       | 3049024    |
| 2106 2616  | CUMMINS       | NT855       | 3025517    |
| 2106 2617  | CUMMINS       | NT855       | 3801030    |
| 2106 2618  | CUMMINS       | NT855       | 3026972    |
| 2106 2619  | CUMMINS       | NT855       | 3044767    |
| 2106 2620  | CUMMINS       | NT855       | 3801668    |
| 2106 2621  | CUMMINS       | NT855       | 3608786    |
| 2106 2622  | CUMMINS       | NT855       | 3801951    |
| 2106 2623  | CUMMINS       | NT855       | 3053525    |
| 2106 2624  | CUMMINS       | NT855       | 3801426    |
| 2106 2625  | CUMMINS       | NT855       | 3036697    |
| 2106 2626  | CUMMINS       | NT855       | 3803903    |
| 2106 2627  | CUMMINS       | NT855       | 3801749    |
| 1906 1000  | MAN           | D1146       |            |
| 1906 1300  | MAN           | D2366       |            |
| 2006 0100  | MERCEDES BENZ | OM314       |            |
| 2006 0300  | MERCEDES BENZ | OM352       | 3520504901 |
| 2006 0400  | MERCEDES BENZ | OM355       | 3550510401 |
| 2006 0700  | MERCEDES BENZ | OM364       | 3640500601 |
| 2006 0800  | MERCEDES BENZ | OM366       | 3660500301 |
| 2006 1000  | MERCEDES BENZ | OM402       | 4020501801 |
| 2006 1400  | MERCEDES BENZ | OM422       |            |
| 2006 1500  | MERCEDES BENZ | OM423       |            |
| 2006 1700  | MERCEDES BENZ | OM442       |            |
| 3406 1000  | PERKINS       | 1004        | 31415363   |
| 3406 1100  | PERKINS       | 1006        | 31416307   |



## CON ROD

| UNIQUE No. | Engine Brand  | Engine Type | Parameter(mm) |       |        | Part Number   | Remark                 |
|------------|---------------|-------------|---------------|-------|--------|---------------|------------------------|
|            |               |             | D2            | D1    | L      |               |                        |
| 2207 1000  | CATERPILLAR   | 3304        | 82.50         | 38.00 | 243.70 | 7N9804        | Horizontal at big head |
| 2207 1001  | CATERPILLAR   | 3304        | 82.50         | 38.00 | 243.70 |               | Skew at big end        |
| 2207 1100  | CATERPILLAR   | 3306        | 82.50         | 43.00 | 243.70 | 8N7699        | Horizontal at big head |
| 2207 1101  | CATERPILLAR   | 3306        | 82.50         | 43.00 | 243.70 |               | Skew at big end        |
| 2107 0100  | CUMMINS       | 4/6BT       | 73.00         | 40.00 | 192.00 | 3901569       | Trapezoidal            |
| 2107 0300  | CUMMINS       | 6CT         | 81.00         | 45.00 | 216.00 | 3901383       | Trapezoidal            |
| 2107 1200  | CUMMINS       | ISDE/B      |               |       |        | 4943979       |                        |
| 2107 1400  | CUMMINS       | ISLE        |               |       |        |               |                        |
| 2107 1700  | CUMMINS       | K19         | 108.00        | 61.00 | 289.90 |               | Trapezoidal            |
| 2107 2300  | CUMMINS       | M11         |               |       |        | 3899450       |                        |
| 2107 2600  | CUMMINS       | NT855       | 84.26         | 50.80 | 305.00 | 3013930       | Trapezoidal            |
| 1107 0100  | DEUTZ         | FL413F/W    |               |       |        | 4147945       |                        |
| 1107 0200  | DEUTZ         | FL511       |               |       |        | 0415-1493     |                        |
| 1107 0300  | DEUTZ         | FL513       |               |       |        |               |                        |
| 1107 0400  | DEUTZ         | FL912       | 64.00         | 35.00 | 216.00 | 3371614       |                        |
| 1107 0500  | DEUTZ         | FL913       | 70.00         | 40.00 | 216.00 | 2232061       |                        |
| 1107 0501  | DEUTZ         | BFL913      |               |       |        | 2232059       |                        |
| 1107 0703  | DEUTZ         | F3L1011     | 58.50         | 26.00 | 173.00 |               |                        |
| 1107 0704  | DEUTZ         | F4L1011     | 58.50         | 30.00 | 173.00 |               |                        |
| 1107 0900  | DEUTZ         | BFM1013     |               |       |        | 1004046-52D   |                        |
| 1107 1000  | DEUTZ         | BFM1015C    |               |       |        |               |                        |
| 1107 1400  | DEUTZ         | BFM2012     |               |       |        |               |                        |
| 1107 1600  | DEUTZ         | BFM2015C    |               |       |        |               |                        |
| 1207 0100  | IVECO         | 2.5L        | 60.20         | 32.00 | 156.00 |               |                        |
| 1207 0200  | IVECO         | 2.8L        | 60.20         | 32.00 | 156.00 |               | Trapezoidal            |
| 1207 0400  | IVECO         | 8460.21/41  |               |       |        | 61319082      |                        |
| 1907 0600  | MAN           | D0826       |               |       |        | 51024016277   |                        |
| 1907 2400  | MAN           | D2866       |               |       |        | 51024006044   |                        |
| 1907 2500  | MAN           | D2876       |               |       |        | 51024006049   |                        |
| 2007 0300  | MERCEDES BENZ | OM352       |               |       |        |               |                        |
| 2007 0400  | MERCEDES BENZ | OM355       |               |       |        | 3550301920    |                        |
| 2007 0800  | MERCEDES BENZ | OM366       |               |       |        | 3660303520    |                        |
| 2007 1000  | MERCEDES BENZ | OM402       |               |       |        | 4020300420    |                        |
| 2007 1100  | MERCEDES BENZ | OM403       |               |       |        | 4030301720    |                        |
| 2007 1400  | MERCEDES BENZ | OM442       |               |       |        | 4420300220    |                        |
| 2007 1401  | MERCEDES BENZ | OM442A      |               |       |        |               |                        |
| 2007 2000  | MERCEDES BENZ | OM447       |               |       |        |               |                        |
| 2007 2200  | MERCEDES BENZ | OM457       |               |       |        | 4570300120    |                        |
| 2007 3000  | MERCEDES BENZ | OM601       |               |       |        |               |                        |
| 2007 3900  | MERCEDES BENZ | OM904       |               |       |        | 9060300220    |                        |
| 2007 4000  | MERCEDES BENZ | OM906       |               |       |        | 9060300320    |                        |
| 3407 1400  | PERKINS       | 110Ti       |               |       |        | T3133R001     |                        |
| 3407 1600  | PERKINS       | AT          |               |       |        | 31337220JOS8  |                        |
| 3407 2100  | PERKINS       | HBK         |               |       |        | 31337180 JGSB |                        |
| 3407 2700  | PERKINS       | T4.40       |               |       |        | 4115C211      |                        |
| 6907 0600  | RENAULT       | R5          |               |       |        |               |                        |
| 6907 0700  | RENAULT       | R9.R12      |               |       |        |               |                        |
| 6907 0900  | RENAULT       | R19         |               |       |        |               |                        |



| CRANKSHAFT  |                |                               |           |             |             |             |     |           |                |
|-------------|----------------|-------------------------------|-----------|-------------|-------------|-------------|-----|-----------|----------------|
| CATERPILLAR |                |                               |           |             |             |             |     |           |                |
| UNIQUE No.  | Engine Type    | Part No.                      | Main (mm) | Conrod (mm) | Stroke (mm) | Length (mm) | Cyl | With Gear | Remark         |
| 2204 1000   | 3304           | 4N7692                        | 88.90     | 76.20       | 76.20       | 775.80      | 4   | yes       | Casting        |
| 2204 1100   | 3306           | 4N7693                        | 88.90     | 76.20       | 76.20       | 1074.00     | 6   | yes       | Casting/Forged |
| 2204 3500   | S6KT           | 3432010011<br>517671          |           |             |             |             | 4   | no        | Forged         |
| CUMMINS     |                |                               |           |             |             |             |     |           |                |
| UNIQUE No.  | Engine Type    | Part No.                      | Main (mm) | Conrod (mm) | Stroke (mm) | Length (mm) | Cyl | With Gear | Remark         |
| 2104 0100   | 4BT            | 3929036<br>3903827<br>3903830 | 83.00     | 69.00       | 60.00       | 617.00      | 4   | yes       | Forged         |
| 2104 0200   | 6BT            | 3907804<br>3929037<br>3903828 | 83.00     | 69.00       | 60.00       | 857.00      | 6   | yes       | Casting/Forged |
| 2104 0300   | 6CT            | 3917320<br>3905625<br>3910968 | 98.00     | 76.00       | 67.50       | 967.44      | 6   | yes       | Forged         |
| 2104 1000   | ISBE           | 2830476                       | 83.00     | 69.00       | 60.00       | 926.15      | 6   | no        | Forged         |
| 2104 1200   | ISDE           | 3968164                       | 83.00     | 69.00       | 62.00       | 941.40      | 6   | no        | Forged         |
| 2104 1400   | ISLE           | 3965010                       | 98.02     | 76.01       | 72.25       | 967.44      | 6   | no        | Forged         |
| 2104 1500   | ISX            | 4059325                       | 127.00    | 94.00       |             | 1258.25     | 6   | no        | Forged         |
| 2104 1600   | ISZ            | 4975048                       | 125.00    | 94.00       | 163.00      | 1165.00     | 6   | no        | Forged         |
| 2104 2300   | M11            | 3073707                       | 114.04    | 79.00       | 73.50       | 1098.00     | 6   | no        | Forged         |
| 2104 2600   | NT855          | 3608833                       | 114.30    | 79.37       | 76.20       | 1299.60     | 6   | no        | Forged         |
| DEUTZ       |                |                               |           |             |             |             |     |           |                |
| UNIQUE No.  | Engine Type    | Part No.                      | Main (mm) | Conrod (mm) | Stroke (mm) | Length (mm) | Cyl | With Gear | Remark         |
| 1104 0104   | TBD226B-4D     | 12272491                      | 70.00     | 63.00       | 60.00       | 673.00      | 4   | yes       | Forged         |
| 1104 0106   | TBD226B-6D     | 12272497                      | 70.00     | 63.00       | 60.00       | 929.00      | 6   | yes       | Forged         |
| 1104 0206   | F6L413F        | 2422050                       | 95.00     | 75.00       | 165.00      | 756.10      | V6  | yes       | Forged         |
| 1104 0208   | BF8L413F       | 4182178                       | 95.00     | 75.00       | 165.00      | 916.10      | V8  | yes       | Forged         |
| 1104 0212   | BF12L413F/513C | 2422054                       | 95.00     | 75.00       | 165.00      | 1264.10     | V12 | yes       | Forged         |
| 1104 0301   | F1L511         |                               | 64.00     | 52.00       | 52.50       | 187.00      | 1   | no        | Forged         |
| 1104 0302   | F2L511         |                               | 64.00     | 52.00       | 52.50       | 312.00      | 2   | no        | Forged         |
| 1104 0503   | F3L912         | 2136928                       | 70.00     | 60.00       | 60.00       | 501.00      | 3   | yes       | Casting        |
| 1104 0504   | F4L912         | 2138819                       | 70.00     | 59.97       | 60.00       | 631.00      | 4   | yes       | Casting/Forged |
| 1104 0506   | F6L912         | 4151011                       | 70.00     | 60.00       | 60.00       | 891.00      | 6   | yes       | Forged         |
| 1104 0604   | F4L913         |                               | 70.00     | 59.97       | 62.50       | 631.00      | 4   | yes       | Casting        |
| 1104 0606   | BF6L913        | 2139148                       | 70.00     | 59.97       | 62.50       | 891.00      | 6   | yes       | Forged         |
| 1104 0704   | BF4L914        |                               | 75.00     | 65.97       | 66.00       | 631.00      | 4   | yes       | Casting        |
| 1104 0802   | F2L1011        |                               | 70.00     | 55.00       | 52.50       | 346.80      | 2   | no        | Casting        |
| 1104 0803   | F3L1011        |                               | 70.00     | 55.00       | 52.50       | 457.50      | 3   | no        | Casting        |
| 1104 0804   | F4L1011        |                               | 70.00     | 55.00       | 52.50       | 568.80      | 4   | no        | Casting        |
| 1104 0805   | BF3M1011F      |                               | 70.00     | 55.00       | 56.00       | 457.50      | 3   | no        | Casting        |
| 1104 1304   | BF4M2012       | 4284384                       | 84.00     | 69.99       | 63.00       | 618.80      | 4   | yes       | Forged         |
| 1104 1306   | BF6M2012       | 4284386                       | 84.00     | 69.99       | 63.00       | 846.80      | 6   | yes       | Forged         |

## CRANKSHAFT (Continued)

### DEUTZ (Continued)

| UNIQUE No. | Engine Type | Part No. | Main (mm) | Conrod (mm) | Stroke (mm) | Length (mm) | Cyl | With Gear | Remark |
|------------|-------------|----------|-----------|-------------|-------------|-------------|-----|-----------|--------|
| 1104 1004  | BF4M1013    | 4256816  | 85.00     | 68.00       | 65.00       | 709.00      | 4   | yes       | Forged |
| 1104 1006  | BF6M1013    | 4256818  | 85.00     | 68.00       | 65.00       | 973.00      | 6   | yes       | Forged |
| 1104 1106  | BF6M1015    | 2929724  | 103.00    | 88.00       | 165.00      | 786.50      | 6   | yes       | Forged |
| 1104 1108  | BF8M1015    | 2929793  | 103.00    | 88.00       | 165.00      | 951.50      | 8   | yes       | Forged |

### IVECO

| UNIQUE No. | Engine Type | Part No.  | Main (mm) | Conrod (mm) | Stroke (mm) | Length (mm) | Cyl | With Gear | Remark  |
|------------|-------------|-----------|-----------|-------------|-------------|-------------|-----|-----------|---------|
| 1204 0300  | 8140.07/67  | 98454453  | 76.20     | 56.50       | 46.00       | 530.00      | 4   | yes       | Casting |
| 1204 0301  | 8140.23/43  | 500314784 | 80.00     | 56.00       | 50.00       | 530.00      | 4   | yes       | Casting |
| 1204 0302  | 8140.27/47  | 98415959  | 80.20     | 56.50       | 46.00       | 532.00      | 4   | yes       | Casting |
| 1204 0500  | CURSO9      | 504125796 | 93.00     | 81.92       | 67.50       | 1010.50     | 6   | no        | Forged  |

### MAN

| UNIQUE No. | Engine Type | Part No.    | Main (mm) | Conrod (mm) | Stroke (mm) | Length (mm) | Cyl | With Gear | Remark |
|------------|-------------|-------------|-----------|-------------|-------------|-------------|-----|-----------|--------|
| 1904 0500  | D0824       | 51021006025 | 77.00     | 65.00       | 62.50       | 579.00      | 4   | no        | Forged |
| 1904 0600  | D0826       | 51021016088 | 77.00     | 65.00       | 71.00       | 827.00      | 6   | no        | Forged |
| 1904 0700  | D0834       | 51021016097 | 77.00     | 70.00       | 62.50       | 579.00      | 4   | no        | Forged |
| 1904 0800  | D0836       | 51021016090 | 77.00     | 70.00       | 71.00       | 827.00      | 6   | no        | Forged |

### MERCEDES BENZ

| UNIQUE No. | Engine Type | Part No.                     | Main (mm) | Conrod (mm) | Stroke (mm) | Length (mm) | Cyl | With Gear | Remark                                    |
|------------|-------------|------------------------------|-----------|-------------|-------------|-------------|-----|-----------|-------------------------------------------|
| 2004 0100  | OM314       | 314 030 6202                 | 88.00     | 60.00       | 64.00       | 606.50      | 4   | yes       | Casting                                   |
| 2004 0300  | OM352       | 352 030 3702                 | 88.00     | 60.00       | 64.00       | 827.50      | 6   | yes       | Casting/Forged<br>-Separate Counterweight |
| 2004 0301  | OM352       | 352 030 8002                 | 88.00     | 60.00       | 64.00       | 827.50      | 6   | yes       | Casting-Integral Counterweight            |
| 2004 0400  | OM355A      | 355 030 6801                 | 95.00     | 78.00       | 75.00       | 1232.50     | 6   | yes       | Casting/Forged                            |
| 2004 0500  | OM360       | 360 030 0101<br>360 030 1201 | 98.00     | 72.00       | 70.00       | 1035.20     | 6   | yes       | Casting                                   |
| 2004 0800  | OM366A      | 366 030 1602                 | 88.00     | 60.00       | 66.50       | 827.50      | 6   | yes       | Casting/Forged                            |
| 2004 0900  | OM401       | 401 030 2501                 | 104.00    | 90.00       | 158.00      | 610.00      | V6  | no        | Forged                                    |
| 2004 1000  | OM402       | 402 030 2301                 | 104.00    | 90.00       | 158.00      | 768.00      | V8  | no        | Forged                                    |
| 2004 1100  | OM403       | 403 030 3001                 | 104.00    | 90.00       | 158.00      | 926.00      | V10 | no        | Forged                                    |
| 2004 1700  | OM442       | 442 031 0401                 | 104.00    | 90.00       | 72.60       | 786.50      | V8  | no        | Forged                                    |

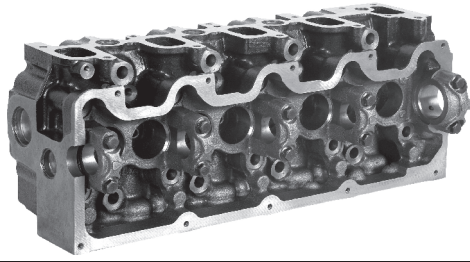
### PERKINS

| UNIQUE No. | Engine Type | Part No.  | Main (mm) | Conrod (mm) | Stroke (mm) | Length (mm) | Cyl | With Gear | Remark |
|------------|-------------|-----------|-----------|-------------|-------------|-------------|-----|-----------|--------|
| 3404 1000  | 1004T       | 31315680  | 76.17     | 63.48       | 63.50       | 626.92      | 4   | yes       | Forged |
| 3404 1100  | 1006T       | T3131H022 | 76.17     | 63.48       | 63.50       | 869.11      | 6   | yes       | Forged |

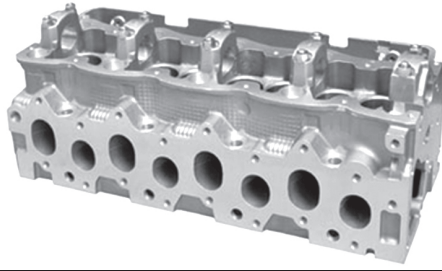
### VOLVO

| UNIQUE No. | Engine Type | Part No. | Main (mm) | Conrod (mm) | Stroke (mm) | Length (mm) | Cyl | With Gear | Remark |
|------------|-------------|----------|-----------|-------------|-------------|-------------|-----|-----------|--------|
| 1804 3000  | TD120       |          | 85.65     | 76.15       | 60.30       | 966.00      | 6   | no        | Forged |





| CYLINDER BLOCK |               |             |                         |        |
|----------------|---------------|-------------|-------------------------|--------|
| UNIQUE No.     | Engine Brand  | Engine Type | Part No.                | Remark |
| 2202 0200      | CATERPILLAR   | 3066        | 212-8566                |        |
| 2202 1000      | CATERPILLAR   | 3304        | 1N3754                  |        |
| 2202 1100      | CATERPILLAR   | 3306        | 1N3576                  |        |
| 2102 0100      | CUMMINS       | 4BT         | 3903920                 |        |
| 2102 0200      | CUMMINS       | 6BT         | 3928797                 |        |
| 2102 0201      | CUMMINS       | 6BTAA       | A3905806                |        |
| 2102 0300      | CUMMINS       | 6CT         | 3934900(two thermostat) |        |
| 2102 0300      | CUMMINS       | 6CT         | 3939313                 |        |
| 2102 0301      | CUMMINS       | 6CT         | 3934900/3971411         |        |
| 2102 0800      | CUMMINS       | IS4B        | 4934322                 |        |
| 2102 0900      | CUMMINS       | IS6B        | 4946586                 |        |
| 2102 1400      | CUMMINS       | ISLE        | 4942138                 |        |
| 2102 2600      | CUMMINS       | NT855       | 3081283                 |        |
| 1102 0503      | DEUTZ         | F3L912      | 4156080                 |        |
| 1102 0504      | DEUTZ         | F4L912      | 2137894                 |        |
| 1102 0506      | DEUTZ         | F6L912      | 2239224                 |        |
| 1102 0606      | DEUTZ         | F6L913      | 2234334                 |        |
| 1102 0607      | DEUTZ         | BF6L913     |                         |        |
| 1102 0803      | DEUTZ         | F3L1011     |                         |        |
| 1102 1006      | DEUTZ         | BF6M1013    |                         |        |
| 2002 0400      | MERCEDES BENZ | OM355       | 3550101508              |        |
| 2002 2200      | MERCEDES BENZ | OM457       | 4570101508              |        |
| 3902 0400      | PERKINS       | 4.236       |                         |        |
| 3902 0500      | PERKINS       | 4.238       |                         |        |
| 3902 0800      | PERKINS       | 4.41        |                         |        |
| 3902 1000      | PERKINS       | 1004        | TZZ50265                |        |
| 3902 1001      | PERKINS       | 1004.4      | TZZ50275                |        |
| 3902 1100      | PERKINS       | 1006        | TZZ50271                |        |
| 3902 2300      | PERKINS       | MF240       |                         |        |



## CYLINDER HEAD

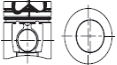
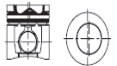
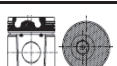
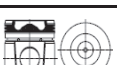
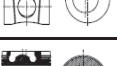
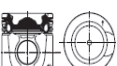
| UNIQUE    | Engine Brand  | Engine Type       | Valve | Part No.                | AMC No. | Remark |
|-----------|---------------|-------------------|-------|-------------------------|---------|--------|
| 2205 0800 | CATERPILLAR   | 3208DI            |       | 6I2378                  |         |        |
| 2205 1000 | CATERPILLAR   | 3304 PC           | 8     | 8N1188                  |         |        |
| 2205 1001 | CATERPILLAR   | 3304 DI           | 8     | 1N4304                  |         |        |
| 2205 1100 | CATERPILLAR   | 3306 PC           | 12    | 8N1187                  |         |        |
| 2205 1101 | CATERPILLAR   | 3306 DI           | 12    | 8N6796                  |         |        |
| 2205 1200 | CATERPILLAR   | 3406 DI           |       | 110-5096                |         |        |
| 2205 1201 | CATERPILLAR   | 3406 PC           |       |                         |         |        |
| 2105 0100 | CUMMINS       | 4BT3.9            | 8     | 3920005                 |         |        |
| 2105 0200 | CUMMINS       | 6BT5.9            | 12    | 3917287                 |         |        |
| 2105 0201 | CUMMINS       | 6BTAA             | 12    | 3934747                 |         |        |
| 2105 0202 | CUMMINS       | 6BT gas           | 12    |                         |         |        |
| 2105 0300 | CUMMINS       | 6CT               | 12    | 3936180                 |         |        |
| 2105 0301 | CUMMINS       | 6CT               | 12    | C3973493                |         |        |
| 2105 0302 | CUMMINS       | 6CT8.3(intake16") | 12    | 3921247                 |         |        |
| 2105 0303 | CUMMINS       | 6CT8.3(intake21") | 12    | 3936180 / 3802466       |         |        |
| 2105 0304 | CUMMINS       | 6CT Gas           | 12    |                         |         |        |
| 2105 0400 | CUMMINS       | 6LT               | 24    |                         |         |        |
| 2105 1000 | CUMMINS       | ISBE              | 24    | 3943627                 |         |        |
| 2105 1700 | CUMMINS       | K19               | 2     | 3081073/3007572/3009138 |         |        |
| 2105 2200 | CUMMINS       | ISL/T375          | 24    | 4929518                 |         |        |
| 2105 2600 | CUMMINS       | NT855             | 24    | 3418678                 |         |        |
| 2105 2601 | CUMMINS       | NTA855            | 24    | 3014992                 |         |        |
| 2105 2602 | CUMMINS       | NTA855            | 24    | 3418529                 |         |        |
| 1105 0100 | DEUTZ         | 226B              | 2     | 12279057                |         |        |
| 1105 0101 | DEUTZ         | 226B              | 2     | 13021396                |         |        |
| 1105 0102 | DEUTZ         | 226B              | 2     | 13024019                |         |        |
| 1105 0103 | DEUTZ         | 226B              | 2     | 13026830                |         |        |
| 1105 0200 | DEUTZ         | FL413F            | 2     | 2418505                 |         |        |
| 1105 0201 | DEUTZ         | FL413FW           | 2     | 2419796                 |         |        |
| 1105 0202 | DEUTZ         | BFL413F           | 2     | 4146420                 |         |        |
| 1105 0203 | DEUTZ         | BFL413F           | 2     | 2427793                 |         |        |
| 1105 0400 | DEUTZ         | BFL513            | 2     | 2427794                 |         |        |
| 1105 0406 | DEUTZ         | BF6L513R          | 2     | 4189465                 |         |        |
| 1105 0500 | DEUTZ         | FL912             | 2     | 2237310                 |         |        |
| 1105 0501 | DEUTZ         | FL912             | 2     | Standard                |         |        |
| 1105 0502 | DEUTZ         | FL912             | 2     | 2232570(CUT)            |         |        |
| 1105 0503 | DEUTZ         | FL912             | 2     | 4230612                 |         |        |
| 1105 0600 | DEUTZ         | FL913             | 2     | 2230878(CUT)            |         |        |
| 1105 0601 | DEUTZ         | FL913             | 2     | Standard                |         |        |
| 1105 0700 | DEUTZ         | FL914             | 2     |                         |         |        |
| 1105 0701 | DEUTZ         | FL914C            | 2     |                         |         |        |
| 1105 1006 | DEUTZ         | BF6M1013          | 2     |                         |         |        |
| 1105 1100 | DEUTZ         | BFM1015           | 4     |                         |         |        |
| 2005 0300 | MERCEDES BENZ | OM352             | 12    |                         |         |        |
| 2005 0800 | MERCEDES BENZ | OM366             | 12    |                         |         |        |
| 2005 3300 | MERCEDES BENZ | OM611.960/961     | 16    | 6110103620              | 908 577 |        |
| 2005 3301 | MERCEDES BENZ | OM611.960/961     | 16    | 6110100920              | 908 573 |        |

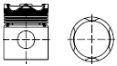
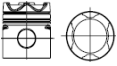
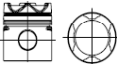
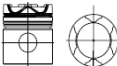
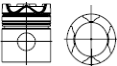
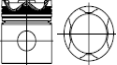
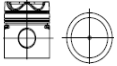
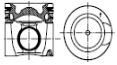
| CYLINDER HEAD (Continued) |               |                                                                                                      |       |                                                                               |         |                      |
|---------------------------|---------------|------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------|---------|----------------------|
| UNIQUE                    | Engine Brand  | Engine Type                                                                                          | Valve | Part No.                                                                      | AMC No. | Remark               |
| 2005 3302                 | MERCEDES BENZ | OM611.980/981                                                                                        | 16    | 6110104420 / 6110102320                                                       | 908 572 |                      |
| 2005 3600                 | MERCEDES BENZ | OM646.951/961<br>962/963/982/983                                                                     | 16    | 6110105020                                                                    | 908 574 |                      |
| 2005 4300                 | MERCEDES BENZ | 300 TDI                                                                                              | 8     | ERR 5027                                                                      | 908 761 | Head Assy. Available |
| 3405 0100                 | PERKINS       | 3.152                                                                                                | 6     |                                                                               |         |                      |
| 3405 0400                 | PERKINS       | 4.236                                                                                                | 8     |                                                                               |         |                      |
| 3405 0800                 | PERKINS       | 4.41                                                                                                 | 8     |                                                                               |         |                      |
| 6905 0200                 | RENAULT       | F8Q 600 / 606 / 622<br>630 / 632 / 662 / 788                                                         | 8     | 7701471013 / 7701478460<br>7703075219                                         | 908 098 | Head Assy. Available |
| 6905 0201                 | RENAULT       | F8Q 610 / 714<br>722 / 724 / 732<br>742 / 764 / 768 / 774                                            | 8     | 7701468014                                                                    | 908 048 | Head Assy. Available |
| 6905 0202                 | RENAULT       | F8Q 640 / 644 / 646 / 648<br>680 / 682 / 784 / 786                                                   | 8     | 7701471552                                                                    | 908 099 | Head Assy. Available |
| 6905 0203                 | RENAULT       | F8Q 640 / 642 / 644 / 646<br>648 / 680 / 682                                                         | 8     | 7701471190                                                                    | 908 520 | Head Assy. Available |
| 6905 0204                 | RENAULT       | F8Q 620 / 624 / 640 / 644<br>646 / 648 / 678 / 680<br>682 / 684 / 696 / 776                          | 8     | 7701471191 / 7701468626<br>7701470634                                         | 908 561 | Head Assy. Available |
| 6905 0300                 | RENAULT       | F9Q 732 / 733 / 738 / 748<br>750 / 752 / 754 / 760<br>762 / 772 / 790 / 796<br>800 / 808 / 812 / 820 | 8     | 7701473663 / 7701473497<br>7701474640 / 7701476170<br>7701477267 / 7701476571 | 908 568 | Head Assy. Available |
| 6905 0301                 | RENAULT       | F9Q 710 / 716 / 717<br>730 / 731 / 734 / 736                                                         | 8     | 7701474073 / 7701477266<br>7701472122 / 7701471720                            | 908 791 | Head Assy. Available |
| 6905 0302                 | RENAULT       | F9Q 710 / 716 / 717<br>722 / 730 / 731 / 734<br>736 / 770 / 780                                      | 8     | 7701474073 / 7701478573                                                       | 908 564 | Head Assy. Available |
| 6905 0400                 | RENAULT       | K9K 700-722 / 702-728<br>704-729 / 706-750<br>710-712                                                | 8     | 7701473181                                                                    | 908 521 |                      |
| 6905 1000                 | RENAULT       | ZD3                                                                                                  | 16    | 7701061586 / 7701066983<br>7701068369                                         | 908 796 |                      |
| 6905 1001                 | RENAULT       | ZD3 A2                                                                                               | 16    | 7701061587 / 7701066984                                                       | 908 557 |                      |
| 6905 1100                 | RENAULT       | ZD30                                                                                                 | 16    | 7701068369                                                                    | 908 506 | Head Assy. Available |
| 1705 0200                 | SCANIA        | 6140B                                                                                                |       |                                                                               |         |                      |



## LINER KITS

### CUMMINS > PISTON

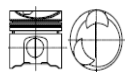
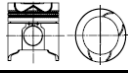
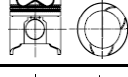
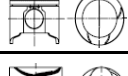
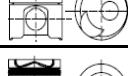
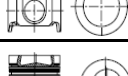
| UNIQUE No. | Engine Type | Cyls | Size(mm) |        |               |         |            | Remark                               | Features                                                                              | Part No. |
|------------|-------------|------|----------|--------|---------------|---------|------------|--------------------------------------|---------------------------------------------------------------------------------------|----------|
|            |             |      | Cyl Dia  | Length | Comp.Dist     | Pin Dia | Pin Length |                                      |                                                                                       |          |
| 2112 0100  | 4/6BT       | 4/6  | 102.00   | 105.40 | 71.6-17.5/6   | 40.00   | 76.00      | Shiny Alfin                          |    | 3907163  |
| 2112 0200  | 6BTA        | 6    | 102.00   | 105.40 | 71.6-17.2/5.8 | 40.00   | 76.00      | Shiny Alfin                          |    | 3907156  |
| 2112 0201  | 6BTAA       | 6    | 102.00   | 105.40 | 71.6-22/9     | 40.00   | 83.00      | Shiny Alfin                          |    | 3926631  |
| 2112 0202  | 6BTAA       | 6    | 102.00   | 105.40 | 71.6-18.7/7.1 | 40.00   | 83.00      | Anodized 2 Alfin                     |    |          |
| 2112 0300  | 6CT         | 6    | 114.00   | 120.30 | 78.8-21.2/6   | 45.00   | 91.00      | Shiny 2 Alfin                        |    | 3919564  |
| 2112 0301  | 6CT         | 6    | 114.00   | 120.30 | 78.8-21.5/6   | 45.00   | 91.00      | Shiny 2 Alfin                        |   | 3923163  |
| 2112 0302  | 6CT         | 6    | 114.00   | 120.30 | 78.8-20.8     | 45.00   | 91.00      | Shiny 2 Alfin                        |  | 3929161  |
| 2112 0303  | 6CT         | 6    | 114.00   | 120.50 | 79-7.7        | 45.00   | 91.00      | Shiny 2 Alfin                        |  | 3800320  |
| 2112 0304  | 6CT         | 6    | 114.00   | 120.50 | 79-20.6/6.0   | 45.00   | 91.00      | Shiny 2 Alfin                        |  | 3923537  |
| 2112 0305  | 6CT         | 6    | 114.00   | 120.30 | 78.8-20.8/6   | 45.00   | 91.00      | Anodized 2 Alfin                     |  | 3923164  |
| 2112 0306  | 6CT         | 6    | 114.00   | 120.30 | 78.8-21.2/6   | 45.00   | 91.00      | Shiny 2 Alfin                        |  | 3929565  |
| 2112 0307  | 6CT         | 6    | 114.00   | 120.50 | 79-23.8/7.5   | 45.00   | 91.00      | Anodized 2 Alfin                     |  | 3925878  |
| 2112 0308  | 6CT         | 6    | 114.00   | 120.50 | 79-24.9/7.0   | 45.00   | 91.00      | Anodized 2 Alfin                     |  | 3917707  |
| 2112 0309  | 6CT EUR02   | 6    | 114.00   | 110.50 | 74.24-22.0    | 45.00   | 91.00      | Phosphate Graphite Alfin Oil gallery |  |          |
| 2112 0700  | K19         | 6    | 158.76   | 161.90 | 111.68-13.7   | 60.947  | 133.00     | Tinned Anodized 2 Alfin              |  | 3096681  |
| 2112 0701  | K19         | 6    | 158.76   | 163.20 | 112.95-16.8   | 60.947  | 133.00     | Phosphate Graphite Anodized 2 Alfin  |  | 3096685  |

| LINER KITS (Continued)       |             |          |          |          |                 |          |                   |                                             |                                                                                       |          |
|------------------------------|-------------|----------|----------|----------|-----------------|----------|-------------------|---------------------------------------------|---------------------------------------------------------------------------------------|----------|
| CUMMINS > PISTON (Continued) |             |          |          |          |                 |          |                   |                                             |                                                                                       |          |
| UNIQUE No.                   | Engine Type | Cyls     | Size(mm) |          |                 |          |                   | Remark                                      | Features                                                                              | Part No. |
|                              |             |          | Cyl Dia  | Length   | Comp.Dist       | Pin Dia  | Pin Length        |                                             |                                                                                       |          |
| 2112 0900                    | NH220       | 6        | 130.18   | 158.80   | 101.6-19.1      | 50.77    | 110.00            | Tinned Alfin                                |    | 184800   |
| 2112 1000                    | NT855       | 6        | 139.70   | 158.74   | 101.585         | 50.77    | 119.70            | Shiny Alfin                                 |    | 3017349  |
| 2112 1001                    | NT855       | 6        | 139.70   | 159.10   | 101.965         | 50.77    | 119.70            | Shiny Alfin                                 |    | 3017348  |
| 2112 1002                    | NT855       | 6        | 139.70   | 159.56   | 102.39-21.9/3.7 | 50.77    | 119.70            | Shiny Alfin                                 |    | 3051555  |
| 2112 1003                    | NT855       | 6        | 139.70   | 159.60   | 102.39-22.9/3.7 | 50.77    | 119.70            | Shiny Alfin                                 |    | 3051556  |
| 2112 1004                    | NT855       | 6        | 139.70   | 159.60   | 102.39-24/3.7   | 50.77    | 119.70            | Shiny Alfin                                 |    | 3051557  |
| 2112 1005                    | NT855       | 6        | 139.70   | 159.50   | 102.35-19.78    | 50.77    | 119.70            | Shiny 2 Alfin                               |    | 3048808  |
| 2112 1006                    | NT855       | 6        | 139.70   | 152.83   | 95.70           | 50.77    | 119.70            | Shiny Alfin                                 |    | 3215420  |
| 2112 1300                    | ISLE375     | 6        | 114.00   | 110.50   | 74.24-22.0      | 45.00    | 91.00             | Phosphate Graphite Alfin Oil gallery Copper |  |          |
| CUMMINS > LINER              |             |          |          |          |                 |          |                   |                                             |                                                                                       |          |
| UNIQUE No.                   | Engine Type | Size(mm) |          |          |                 |          | Type              | Weight (kg)                                 | Part No.                                                                              | Remark   |
|                              |             | A        | B        | C        | L               | H+F      |                   |                                             |                                                                                       |          |
| 2116 0100                    | 4/6BT       | 104.56   | 102.00   | 104.56   | 200.00          |          | Dry               | 1.40                                        | 3904166                                                                               |          |
| 2116 0300                    | 6CT         | 125.68   | 114.00   | 133.00   | 238.20          | 124.25   | Wet               | 4.00                                        | 3919937                                                                               |          |
| 2116 0600                    | LT10/M11    | 138.00   | 125.00   | 146.00   | 241.00          | 101.25   | Wet               | 6.00                                        | 3080760                                                                               |          |
| 2116 0900                    | NH220       | 155.63   | 130.18   | 164.00   | 301.73          | 12.90    | Wet               | 7.00                                        | 184400                                                                                |          |
| 2116 1000                    | NT855       | 155.50   | 139.70   | 166.70   | 288.20          | 10.80    | Wet               | 8.50                                        | 3055099                                                                               |          |
| CUMMINS > PISTON RING        |             |          |          |          |                 |          |                   |                                             |                                                                                       |          |
| UNIQUE No.                   | Engine Type | Dia (mm) | Cyls     | Position | Size H (mm)     | Material | Surface Treatment | Ring Type                                   |                                                                                       | Part No. |
| 2115 0100                    | 4/6BT       | 102.00   | 4/6      | 1        | 3.00            | DCI      | Cr1               | T-B                                         |  | 3802230  |
|                              |             |          |          | 2        | 2.35            | ACI      | P                 | IF                                          |  |          |
|                              |             |          |          | O        | 4.00            | ACI      | Cr1               | DSF                                         |  |          |
| 2115 0300                    | 6CT         | 114.00   | 6        | 1        | 3.50            | DCI      | Cr1               | IW-B                                        |  | 3802429  |
|                              |             |          |          | 2        | 3.00            | ACI      | P                 | IWU                                         |  |          |
|                              |             |          |          | O        | 4.00            | ACI      | Cr1               | DSF                                         |  |          |
| 2115 0500                    | L10         | 125.00   | 6        | 1        | 3.00            | DCI      | Cr1               | T-B                                         |  | 3803961  |
|                              |             |          |          | 2        | 3.00            | DCI      | P Cr1             | T-M                                         |  |          |
|                              |             |          |          | O        | 4.75            | ACI      | Cr1               | DSF                                         |  |          |

# LINER KITS (Continued)

## CUMMINS > PISTON RING (Continued)

| UNIQUE No. | Engine Type | Dia (mm) | Cyls | Position | Size H (mm) | Material | Surface Treatment | Ring Type |                                                                                       | Part No. |
|------------|-------------|----------|------|----------|-------------|----------|-------------------|-----------|---------------------------------------------------------------------------------------|----------|
| 2115 0600  | M11         | 125.00   | 6    | 1        | 3.00        | DCI      | Cr1               | T-B       |    | 3803977  |
|            |             |          |      | 2        | 3.00        | DCI      | P Cr1             | T-M       |    |          |
|            |             |          |      | O        | 4.00        | ACI      | Cr1               | DSF       |    |          |
| 2115 0700  | K19         | 158.75   | 6    | 1        | 3.75        | DCI      | Cr1 P             | T-B       |    | 3631248  |
|            |             |          |      | 2        | 3.75        | DCI      | Cr1 P             | IF        |    |          |
|            |             |          |      | O        | 4.75        | ACI      | Cr1 P             | DSF       |    |          |
| 2115 0800  | N14         | 139.70   | 6    | 1        | 3.80        | DCI      | Cr1               | T-B       |    | 3804500  |
|            |             |          |      | 2        | 2.80        | DCI      | Cr1               | T-B       |    |          |
|            |             |          |      | O        | 4.75        | Steel    | Cr1               | DSF       |    |          |
| 2115 0900  | NH220       | 130.18   | 6    | 1        | 3.90        | DCI      | Cr1               | T-B       |    | AR12098  |
|            |             |          |      | 2        | 3.90        | DCI      | Cr1               | IF        |    |          |
|            |             |          |      | 3        | 3.90        | DCI      | Cr1               | IF        |    |          |
|            |             |          |      | O        | 6.30        | ACI      | Cr1               | DSF       |   |          |
| 2115 1000  | NT855       | 139.70   | 6    | 1        | 3.90        | DCI      | Cr1               | T-B       |  | 3803471  |
|            |             |          |      | 2        | 3.00        | DCI      | P Cr1             | IW        |  |          |
|            |             |          |      | 3        | 3.00        | DCI      | P                 | T-M       |  |          |
|            |             |          |      | O        | 4.75        | ACI      | Cr2 P             | DSF       |  |          |
| 2115 1001  | NT855       | 139.70   | 6    | 1        | 3.90        | DCI      | Cr1               | T-B       |  | 3801056  |
|            |             |          |      | 2        | 3.00        | DCI      | P Cr1             | T-M       |  |          |
|            |             |          |      | 3        | 3.00        | DCI      | P                 | T-M       |  |          |
|            |             |          |      | O        | 4.75        | ACI      | Cr2 P             | DSF       |  |          |
| 2115 1300  | ISLE        | 114.00   | 6    | 1        | 3.50        | DCI      | CS                | IW-B      |  | 3948228  |
|            |             |          |      | 2        | 3.00        | DCI      | Cr1               | IWU       |  |          |
|            |             |          |      | O        | 4.00        | ACI      | Cr1               | DSF       |  |          |

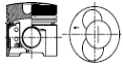
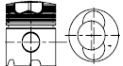
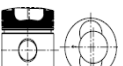
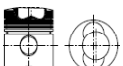
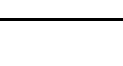
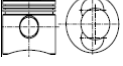
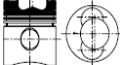
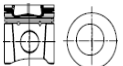
| LINER KITS (Continued)    |                   |             |           |          |                   |          |                      |                   |                                                                                       |                            |
|---------------------------|-------------------|-------------|-----------|----------|-------------------|----------|----------------------|-------------------|---------------------------------------------------------------------------------------|----------------------------|
| CATERPILLAR > PISTON      |                   |             |           |          |                   |          |                      |                   |                                                                                       |                            |
| UNIQUE No.                | Engine Type       | Cyls        | Size (mm) |          |                   |          |                      | Remark            | Features                                                                              | Part No.                   |
|                           |                   |             | Cyl Dia   | Length   | Comp.Dist         | Pin Dia  | Pin Length           |                   |                                                                                       |                            |
| 2212 1000                 | 3304<br>3306      | 4/6         | 120.65    | 115.06   | 73.91             | 38.13    | 94.90                | Shiny<br>2 Alfin  |    | 8N3182                     |
| 2212 1001                 | D3304<br>D3306    | 4/6         | 120.65    | 129.91   | 73.91             | 43.18    | 94.80                | Shiny<br>2 Alfin  |    | 1W6757                     |
| 2212 1100                 | 3306              | 6           | 120.65    | 129.91   | 73.91             | 43.18    | 94.80                | Shiny<br>2 Alfin  |    | 8N3102                     |
| 2212 1101                 | 3306              | 4/6         | 120.65    | 115.06   |                   | 43.18    | 94.80                | Shiny<br>2 Alfin  |    | 9N5250                     |
| 2212 1102                 | D3306             | 6           | 120.65    | 129.91   | 73.91-19.8<br>5.3 | 43.18    | 94.90                | Shiny<br>2 Alfin  |    | 1654262                    |
| 2212 2200                 | 9N5403            | 4/6         | 120.65    | 115.06   |                   | 43.18    | 94.80                | Bright<br>2 Alfin |    |                            |
| 2212 2300                 | 9Y1272<br>9Y4004  | 4/6         | 137.16    | 137.20   | 88.00             | 50.80    | 112.00               | Shiny<br>2 Alfin  |    |                            |
| 2212 3400                 | S6C               | 6           | 102.00    | 97.90    | 57.7-20.2         | 34.00    | 84.00                | Shiny<br>Alfin    |    | 37317-10200                |
| 2212 3500                 | S6T               | 4/6         | 102.00    | 97.90    | 57.7-19<br>14.08  | 34.00    | 84.00                | Tinned<br>Alfin   |  | 34317-01100<br>37317-10200 |
| CATERPILLAR > LINER       |                   |             |           |          |                   |          |                      |                   |                                                                                       |                            |
| UNIQUE No.                | Engine Type       | Size(mm)    |           |          |                   |          | Type                 | Weight<br>(kg)    | Part No.                                                                              | Remark                     |
|                           |                   | A           | B         | C        | L                 | H+F      |                      |                   |                                                                                       |                            |
| 2216 0800                 | 3160 / 3208       | 119.14      | 114.30    | 119.14   | 196.85            |          | Dry                  | 1.50              | 9N6275                                                                                |                            |
| 2216 1000                 | 3304 / 3306       | 134.13      | 120.65    | 143.00   | 255.00            | 11.30    | Wet                  | 5.60              | 1105800                                                                               |                            |
| 2216 1200                 | 3406              | 153.80      | 137.20    | 165.00   | 274.10            | 10.00    | Wet                  | 8.50              | 1979322                                                                               |                            |
| 2216 2700                 | D339 / 342C       | 168.07      | 146.05    | 177.40   | 382.50            | 13.70    | Wet                  | 14.20             | 8N5676                                                                                |                            |
| 2216 2800                 | D343 / 768<br>769 | 156.08      | 137.16    | 165.15   | 304.00            | 14.46    | Wet                  | 9.20              | 1260739                                                                               |                            |
| 2216 2900                 | D333A             | 131.77      | 114.30    | 139.30   | 263.50            | 11.26    | Wet                  | 6.00              | 8S2240                                                                                |                            |
| 2216 3200                 | D9G / D353E       | 180.85      | 158.75    | 190.50   | 382.50            | 13.80    | Wet                  | 14.50             | 8N9174                                                                                |                            |
| CATERPILLAR > PISTON RING |                   |             |           |          |                   |          |                      |                   |                                                                                       |                            |
| UNIQUE No.                | Engine Type       | Dia<br>(mm) | Cyls      | Position | Size H<br>(mm)    | Material | Surface<br>Treatment | Ring Type         |                                                                                       | Part No.                   |
|                           |                   |             |           |          |                   |          |                      |                   |                                                                                       |                            |
| 2215 0400                 | 3116              | 105.00      | 6         | 1        | 3.00              | DCI      | Cr                   | T                 |  |                            |
|                           |                   |             |           | 2        | 3.00              | DCI      | Cr                   | T                 |  |                            |
|                           |                   |             |           | O        | 4.00              | ACI      | Cr                   | DSF               |  |                            |
| 2215 1000                 | 3304 / 3306       | 120.65      | 4/6       | 1        | 3.16              | DCI      | Cr                   | R                 |  | 2W6091                     |
|                           |                   |             |           | 2        | 2.38              | DCI      | Cr                   | M                 |  |                            |
|                           |                   |             |           | O        | 3.16              | ACI      | Cr                   | DSF               |  |                            |

# LINER KITS (Continued)

## CATERPILLAR > PISTON RING (Continued)

| UNIQUE No. | Engine Type          | Dia (mm) | Cyls | Position | Size H (mm) | Material | Surface Treatment | Ring Type |                                                                                       | Part No. |
|------------|----------------------|----------|------|----------|-------------|----------|-------------------|-----------|---------------------------------------------------------------------------------------|----------|
| 2215 1001  | 3304 / 3306          | 120.65   | 4/6  | 1        | 3.16        | DCI      | Cr                | R         |    | 9S3068   |
|            |                      |          |      | 2        | 2.38        | DCI      | Cr                | M         |    |          |
|            |                      |          |      | O        | 5.55        | ACI      | Cr                | DSF       |    |          |
| 2215 1100  | 3306 / D333C<br>D334 | 120.65   | 4/6  | 1        | 3.16        | DCI      | Cr                | R         |    | 2W1709   |
|            |                      |          |      | 2        | 3.16        | DCI      | Cr                | M         |    |          |
|            |                      |          |      | O        | 5.55        | DCI      | Cr                | DSF       |    |          |
| 2215 1200  | 3406 / 3408<br>3412  | 137.20   | 8/12 | 1        | 3.00        | DCI      | Cr                | R         |    | 8N0822   |
|            |                      |          |      | 2        | 3.00        | DCI      | Cr                | M         |    |          |
|            |                      |          |      | O        | 3.15        | DCI      | Cr                | DSF       |    |          |
| 2215 2900  | D330 / D333          | 114.30   | 4/6  | 1        | 3.16        | ACI      | CrP               | R         |    | 2W8265   |
|            |                      |          |      | 2        | 2.38        | ACI      | CrP               | R         |    |          |
|            |                      |          |      | O        | 5.55        | ACI      | CrP               | DSF       |    |          |
| 2215 3500  | S6KT                 | 102.00   | 4/6  | 1        | 3.00        | DCI      | Cr                | R         |   | 6I0865   |
|            |                      |          |      | 2        | 2.00        | DCI      | Cr                | R         |  |          |
|            |                      |          |      | O        | 4.00        | ACI      | Cr                | DSF       |  |          |



| LINER KITS (Continued) |              |          |          |        |                     |         |             |                                            |                                                                                       |          |
|------------------------|--------------|----------|----------|--------|---------------------|---------|-------------|--------------------------------------------|---------------------------------------------------------------------------------------|----------|
| DEUTZ > PISTON         |              |          |          |        |                     |         |             |                                            |                                                                                       |          |
| UNIQUE No.             | Engine Type  | Cyls     | Size(mm) |        |                     |         |             | Remark                                     | Features                                                                              | Part No. |
|                        |              |          | Cyl Dia  | Length | Comp.Dist           | Pin Dia | Pin Length  |                                            |                                                                                       |          |
| 1112 0300              | FL511D       | 1/2      | 100.00   | 95.95  | 56.7-20.63<br>18.98 | 35.00   | 75.00       | Shiny Steel                                |    |          |
| 1112 0502              | F2L912D      | 6        | 100.00   | 123.60 | 71.90               | 35.00   | 80.00       | Skirt Graphite                             |    |          |
| 1112 0600              | BF913        | 4/6      | 102.00   | 123.60 | 69.10               | 40.00   | 80.00       | Phosphate Graphite Alfin Oil gallery       |    |          |
| 1112 0601              | BF913        | 6        | 102.00   | 117.20 | 69.5-22.5           | 40.00   | 80.50       | Graphite Alfin                             |    |          |
| 1112 0602              | BFL913-4Ring | 3/4/6    | 102.00   | 123.60 | 69.10               | 35.00   | 80.00       | Phosphate Graphite Alfin Steel Oil gallery |    | 993600   |
| 1112 0603              | BFL913-3Ring | 3/4/6    | 102.00   | 123.60 | 69.10               | 35.00   | 80.00       | Phosphate Graphite Alfin Oil gallery       |    | 994300   |
| 1112 0604              | BF4L913      | 6        | 102.00   | 123.60 | 69.10               | 40.00   | 80.00       | Phosphate Graphite Alfin Steel Oil gallery |   |          |
| 1112 0605              | BF4L913T     | 4/6      | 102.00   | 123.60 | 69.10               | 35.00   | 80.00       | Phosphate Graphite Alfin                   |  | 994100   |
| 1112 0606              | BF6L913      | 4/6      | 102.00   | 123.60 | 69.10               | 35.00   | 80.00       | Phosphate Graphite Alfin Steel Oil gallery |  |          |
| 1112 0904              | BF4M1012     | 4        | 94.00    | 98.10  | 61.2-18.3           | 34.00   | 78.00       | Shiny Alfin                                |  |          |
| 1112 1600              | T16G         | 4        | 98.00    | 90.60  | 50.60-17.50         | 38.00   | 76.00       | Phosphate Graphite Alfin                   |  |          |
| 1112 1700              | BF614        | 6/8/12   | 110.00   | 154.00 | 87-10.5             | 40.00   | 93.00       | Phosphate Steel                            |  |          |
| DEUTZ > LINER          |              |          |          |        |                     |         |             |                                            |                                                                                       |          |
| UNIQUE No.             | Engine Type  | Size(mm) |          |        |                     |         | Type        | Weight (kg)                                | Part No.                                                                              | Remark   |
|                        |              | A        | B        | C      | L                   | H+F     |             |                                            |                                                                                       |          |
| 1116 0200              | FL413        | 134.00   | 120.00   | 145.00 | 255.10              | 169.90  | AIR-COOLING |                                            | 0418 4590                                                                             |          |
| 1116 0300              | FL511        | 109.85   | 100.00   | 120.00 | 185.90              | 118.90  | AIR-COOLING |                                            |                                                                                       |          |
| 1116 0400              | FL513        | 139.00   | 125.00   | 154.00 | 250.50              | 169.50  | AIR-COOLING |                                            |                                                                                       |          |
| 1116 0500              | B/FL912      | 110.00   | 100.00   | 120.00 | 222.30              | 137.30  | AIR-COOLING | 6.00                                       | 2231924                                                                               | 6.00     |
| 1116 0600              | B/FL913      | 110.00   | 102.00   | 120.00 | 222.30              | 137.30  | AIR-COOLING | 6.00                                       | 2236804                                                                               | 6.00     |
| 1116 1000              | BFM1013      | 120.00   | 108.00   | 128.50 | 229.10              | 10.10   | Wet         | 3.70                                       |                                                                                       | 3.70     |
| 1116 1100              | BFM1015      | 147.00   | 132.00   | 158.00 | 268.50              | 10.20   | Wet         |                                            |                                                                                       |          |

# LINER KITS (Continued)

| DEUTZ > PISTON RING |              |          |      |          |             |          |                   |           |                                                                                       |          |
|---------------------|--------------|----------|------|----------|-------------|----------|-------------------|-----------|---------------------------------------------------------------------------------------|----------|
| UNIQUE No.          | Engine Type  | Dia (mm) | Cyls | Position | Size H (mm) | Material | Surface Treatment | Ring Type |                                                                                       | Part No. |
| 1116 0200           | FL413        | 120.00   | 6/8  | 1        | 3.00        | DCI      | Cr P              | R         |    |          |
|                     |              |          |      | 2        | 3.00        | ACI      | P                 | ET        |    |          |
|                     |              |          |      | 3        | 3.00        | ACI      | P                 | NM        |    |          |
|                     |              |          |      | O        | 6.00        | ACI      | Cr P              | DSF       |    |          |
| 1116 0400           | FL513        | 125.00   | 6/8  | 1        | 3.00        | DCI      | Mo                | T-B       |    |          |
|                     |              |          |      | 2        | 2.50        | ACI      | P                 | NM        |    |          |
|                     |              |          |      | O        | 4.00        | ACI      | Cr                | DSF       |    |          |
| 1115 0500           | FL912D       | 100.00   | 4/6  | 1        | 3.00        | DCI      | Cr                | T-B       |    |          |
|                     |              |          |      | 2        | 2.50        | ACI      | P                 | NM        |    |          |
|                     |              |          |      | 3        | 2.50        | ACI      | P                 | N         |    |          |
|                     |              |          |      | O        | 5.00        | ACI      | Cr                | DSF       |    |          |
| 1115 0501           | FL912/BFL912 | 100.00   | 4/6  | 1        | 3.00        | DCI      | Cr                | T-B       |    |          |
|                     |              |          |      | 2        | 2.50        | ACI      | P                 | NM        |    |          |
|                     |              |          |      | O        | 5.00        | ACI      | Cr                | DSF       |   |          |
| 1115 0600           | BFL913-4Ring | 102.00   | 4/6  | 1        | 3.00        | DCI      | Mo                | T-B       |  |          |
|                     |              |          |      | 2        | 2.50        | ACI      | P                 | M         |  |          |
|                     |              |          |      | 3        | 2.50        | ACI      | P                 | M         |  |          |
|                     |              |          |      | O        | 5.00        | ACI      | Cr                | DSF       |  |          |
| 1115 0601           | BFL913-3Ring | 102.00   | 4/6  | 1        | 3.00        | DCI      | Mo                | T-B       |  |          |
|                     |              |          |      | 2        | 2.50        | ACI      | P                 | M         |  |          |
|                     |              |          |      | O        | 5.00        | ACI      | Cr                | DSF       |  |          |
| 1115 0806           | BF6M1013FC   | 108.00   | 6    | 1        | 3.00        | DCI      | Cr                | T-B       |  |          |
|                     |              |          |      | 2        | 2.00        | ACI      | P                 | NM        |  |          |
|                     |              |          |      | O        | 3.50        | ACI      | Cr                | DSF       |  |          |

| LINER KITS (Continued) |               |          |          |          |             |          |                   |                                    |                                                                                       |                                         |
|------------------------|---------------|----------|----------|----------|-------------|----------|-------------------|------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------|
| MAN > PISTON           |               |          |          |          |             |          |                   |                                    |                                                                                       |                                         |
| UNIQUE No.             | Engine Type   | Cyls     | Size(mm) |          |             |          |                   | Remark                             | Features                                                                              | Part No.                                |
|                        |               |          | Cyl Dia  | Length   | Comp.Dist   | Pin Dia  | Pin Length        |                                    |                                                                                       |                                         |
| 1912 0400              | D0226         | 6        | 102.00   | 115.50   | 77.5-37.4   | 40.00    | 83.00             | Phosphated Graphite Anodized Alfin |    |                                         |
| 1912 0900              | D0846         | 6        | 108.00   | 145.50   | 89.00       | 42.00    | 90.00             | Graphite Alfin                     |    |                                         |
| 1912 1200              | D2156         | 6        | 121.00   | 162.00   | 94-48.2     | 45.00    | 102.00            | Tinned Anodized Alfin              |    |                                         |
| 1912 1201              | D2156 Turbo   | 6        | 121.00   | 162.00   | 94-48.2     | 45.00    | 102.00            | Tinned Anodized Alfin              |    |                                         |
| 1912 1700              | D2565HM       | 6        | 125.00   | 141.87   | 89.87-44    | 46.00    | 105.00            | Phosphated Graphite Anodized Alfin |    |                                         |
| 1912 2100              | D2865         | 6        | 128.00   | 141.75   | 89.75       | 46.00    | 105.00            | Graphite Alfin                     |    | 2289890                                 |
| 1912 2200              | D2848         | 8/10/12  | 128.00   | 131.40   | 86.30       | 46.00    | 105.00            | Graphite Anodized Alfin            |   |                                         |
| 1912 2400              | D2866         | 6        | 128.00   | 141.75   | 89.75-21.6  | 46.00    | 105.00            | Phosphated Graphite Alfin          |  |                                         |
| MAN > LINER            |               |          |          |          |             |          |                   |                                    |                                                                                       |                                         |
| UNIQUE No.             | Engine Type   | Size(mm) |          |          |             |          | Type              | Weight (kg)                        | Part No.                                                                              | Remark                                  |
|                        |               | A        | B        | C        | L           | H+F      |                   |                                    |                                                                                       |                                         |
| 1916 0100              | 712.03/712.04 | 114.00   | 98.00    | 121.00   | 220.70      | 8.70     | Wet               | 3.80                               | 592WN08                                                                               |                                         |
| 1916 0200              | 720.08        | 114.00   | 102.00   | 120.70   | 220.70      | 8.70     | Wet               | 3.20                               | 592WN05                                                                               |                                         |
| 1916 0400              | D0226         | 106.49   | 102.00   | 111.00   | 217.00      | 8.00     | Dry               | 1.08                               | 227WT36                                                                               |                                         |
| 1916 0500              | D0824/D0826   | 111.49   | 108.00   | 116.00   | 217.00      | 4.04     | Dry               | 1.00                               | 227WT39                                                                               |                                         |
| 1916 0900              | D0846         | 112.99   | 108.00   | 118.00   | 254.00      | 5.00     | Dry               | 1.80                               | 227WT09                                                                               |                                         |
| 1916 1200              | D 2156        | 125.99   | 121.00   | 132.00   | 287.00      | 8.00     | Dry               | 2.10                               | 227WT15                                                                               |                                         |
| 1916 1700              | D2555/D2565   | 140.00   | 125.00   | 152.00   | 270.00      | 11.07    | Wet               | 6.50                               | 227WN32                                                                               |                                         |
| 1916 2000              | D 2840        | 144.50   | 128.00   | 153.80   | 253.00      | 11.00    | Wet               | 6.35                               | 227WN34                                                                               |                                         |
| 1916 2400              | D2866         | 144.50   | 128.00   | 154.00   | 269.00      | 11.07    | Wet               | 6.50                               | 227WN37                                                                               |                                         |
| MAN > PISTON RING      |               |          |          |          |             |          |                   |                                    |                                                                                       |                                         |
| UNIQUE No.             | Engine Type   | Dia (mm) | Cyls     | Position | Size H (mm) | Material | Surface Treatment | Ring Type                          |                                                                                       | Part No.                                |
| 19150400               | D0226         | 102.00   | 6        | 1        | 3.00        | DCI      | Cr                | T-B                                |  |                                         |
|                        |               |          |          | 2        | 2.50        | ACI      | P                 | IWU                                |  |                                         |
|                        |               |          |          | O        | 4.00        | ACI      | Cr                | DSF                                |  |                                         |
| 19150300               | D0224M ME/MF  | 102.00   | 4        | 1        | 2.50        | ACI      | Cr P              | R                                  |  | 227 52 N0 (MAHLE) 06-280000-10 (GOETZE) |
|                        |               |          |          | 2        | 2.50        | ACI      | P                 | NM                                 |  |                                         |
|                        |               |          |          | O        | 4.00        | ACI      | Cr P              | DSF                                |  |                                         |

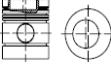
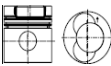
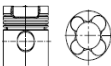
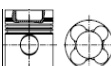
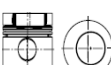
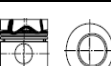
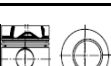
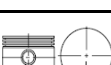
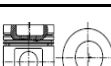
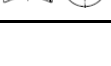
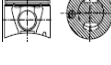
# LINER KITS (Continued)

## MAN > PISTON RING (Continued)

| UNIQUE No. | Engine Type       | Dia (mm) | Cyls | Position | Size H (mm) | Material | Surface Treatment | Ring Type |                                                                                       | Part No.                                                           |
|------------|-------------------|----------|------|----------|-------------|----------|-------------------|-----------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 1915 0300  | D0224M ME/MF      | 102.00   | 4    | 1        | 2.50        | ACI      | Cr P              | R         |    | 227 52 N0 (MAHLE)<br>06-280000-10 (GOETZE)                         |
|            |                   |          |      | 2        | 2.50        | ACI      | P                 | NM        |    |                                                                    |
|            |                   |          |      | O        | 4.00        | ACI      | Cr P              | DSF       |    |                                                                    |
| 1915 0400  | D0226             | 102.00   | 6    | 1        | 3.00        | DCI      | Cr                | T-B       |    |                                                                    |
|            |                   |          |      | 2        | 2.50        | ACI      | P                 | IWU       |    |                                                                    |
|            |                   |          |      | O        | 4.00        | ACI      | Cr                | DSF       |    |                                                                    |
| 1915 0500  | D0824GF GF01      | 108.00   | 4    | 1        | 2.50        | ACI      | CrP               | R         |    | 227 52 N0 (MAHLE)<br>06-280000-10 (GOETZE)                         |
|            |                   |          |      | 2        | 2.50        | ACI      | P                 | M         |    |                                                                    |
|            |                   |          |      | O        | 4.00        | ACI      | CrP               | DSF       |    |                                                                    |
| 1915 1200  | D2146 D2156       | 121.00   | 6    | 1        | 3.50        | ACI      | CrP               | T-B       |    | 228 40 V0 (MAHLE)<br>80 00148 1 0000 (KS)<br>06-274800-10 (GOETZE) |
|            |                   |          |      | 2        | 3.00        | ACI      | P                 | M         |    |                                                                    |
|            |                   |          |      | 3        | 3.00        | ACI      | P                 | N         |    |                                                                    |
|            |                   |          |      | O        | 5.50        | ACI      | CrP               | DSF       |   |                                                                    |
| 1915 1300  | D2356 D2366       | 123.00   | 6    | 1        | 3.50        | ACI      | Cr P              | T-B       |  | 80 00149 1 0000 (KS)<br>06-282100-10 (GOETZE)                      |
|            |                   |          |      | 2        | 3.00        | ACI      | P                 | M         |  |                                                                    |
|            |                   |          |      | O        | 4.00        | ACI      | Cr P              | DSF       |  |                                                                    |
| 1915 1600  | D2556M MX MXF MXH | 125.00   | 6    | 1        | 3.50        | DCI      | Cr                | T-B       |  | 228 82 N0 (MAHLE)<br>80 00154 1 0000 (KS)                          |
|            |                   |          |      | 2        | 3.00        | ACI      | P                 | NM        |  |                                                                    |
|            |                   |          |      | O        | 5.00        | ACI      | CrP               | DSF       |  |                                                                    |
| 1915 1601  | D2556MXUH MXUM    | 125.00   | 6    | 1        | 3.00        | ACI      | CrP               | T-B       |  | 228 05 N0 (MAHLE)<br>06-874400-20 (GOETZE)                         |
|            |                   |          |      | 2        | 3.00        | ACI      | P                 | IF        |  |                                                                    |
|            |                   |          |      | O        | 5.00        | ACI      | CrP               | DSF       |  |                                                                    |
| 1915 2000  | D2840 LXF / LYE   | 128.00   | 10   | 1        | 3.50        | DCI      | Cr                | T-B       |  | 228 90 N0 (MAHLE)<br>80 001551 0000 (KS)                           |
|            |                   |          |      | 2        | 3.00        | ACI      | Cr                | IF        |  |                                                                    |
|            |                   |          |      | O        | 5.00        | ACI      | Cr                | DSF       |  |                                                                    |

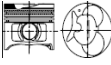
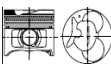
## LINER KITS (Continued)

### MERCEDES BENZ > PISTON

| UNIQUE No. | Engine Type       | Cyls      | Size(mm) |        |                      |         |            | Remark                                                    | Features                                                                              | Part No.     |
|------------|-------------------|-----------|----------|--------|----------------------|---------|------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|
|            |                   |           | Cyl Dia  | Length | Comp.Dist            | Pin Dia | Pin Length |                                                           |                                                                                       |              |
| 2012 0300  | OM352             | 6         | 97.00    | 115.70 | 65.2-20.0            | 36.00   | 82.50      | Phosphated<br>Graphite<br>Alfin                           |    | 7203         |
| 2012 0301  | OM352A<br>/OM353A | 6         | 97.00    | 105.20 | 65.2-20.0            | 36.00   | 82.50      | Phosphated<br>Graphite<br>Alfin                           |    |              |
| 2012 0400  | OM355             | 6         | 128.00   | 161.26 | 90.26-27.5           | 48.00   | 108.00     | Phosphated<br>Graphite<br>Alfin                           |    |              |
| 2012 0401  | OM355A            | 6         | 128.00   | 161.26 | 90.26-28.5           | 48.00   | 108.00     | Phosphated<br>Graphite<br>Alfin                           |    |              |
| 2012 0700  | OM364<br>OM366    | 4/6       | 97.50    | 107.80 | 62.8                 | 36.00   | 82.50      | Phosphated<br>Graphite<br>Alfin                           |    | 87-740000-50 |
| 2012 0800  | OM366A            | 4/6       | 97.50    | 106.90 | 61.9                 | 36.00   | 82.50      | Phosphated<br>Graphite<br>Alfin                           |    | 87-740000-10 |
| 2012 0801  | OM366LA           | 6         | 97.50    | 107.80 | 62.8-<br>22.8/8.50   | 36.00   | 82.50      | Phosphated<br>Graphite<br>Alfin                           |    |              |
| 2012 1100  | OM403             | 6         | 125.00   | 137.25 | 87.25-23.5           | 46.00   | 97.00      | Phosphated<br>Graphite<br>Alfin                           |   | 0034500      |
| 2012 1200  | OM407             | 1         | 90.00    | 57.50  | 35.00                | 20.00   | 60.00      | Phosphate                                                 |  |              |
| 2012 1300  | OM421             | 6/8/10    | 128.00   | 126.35 | 24.1                 | 46.00   | 99.00      | Phosphated<br>Graphite<br>Alfin                           |  |              |
| 2012 1600  | OM441A            | 6/8/10/12 | 128.00   | 141.70 | 89.7-24.3            | 46.00   | 105.00     | Skirt<br>graphite<br>Alfin                                |  |              |
| 2012 1700  | OM442             | 8         | 128.00   | 126.45 | 81.45-24.6           | 46.00   | 105.00     | Phosphate<br>Graphite<br>Anodized<br>Alfin<br>Oil gallery |  |              |
| 2012 1701  | OM442LA           | 8         | 128.00   | 126.45 | 81.35                | 24.10   | 105.00     | Phosphated<br>Graphite<br>Alfin                           |  | 2704000      |
| 2012 1702  | OM442A            | 6/8/10/12 | 128.00   | 126.45 | 81.35-25.4           | 46.00   | 105.00     | Phosphated<br>Graphite<br>Alfin                           |  | 0036700      |
| 2012 1900  | OM444             | 6/8       | 128.00   | 126.35 | 81.35-27.15<br>21.85 | 46.00   | 105.00     | Phosphated<br>Graphite<br>Alfin                           |  |              |
| 2012 2700  | OM501             | 1         | 100.00   | 52.20  | 30.40                | 20.00   | 50.00      | Graphite                                                  |  |              |
| 2012 3000  | OM601             | 4         | 89.00    | 74.65  | 44.65                | 26.00   | 62.00      | Phosphated<br>Alfin<br>Steel                              |  |              |

## LINER KITS (Continued)

### MERCEDES BENZ > PISTON (Continued)

| UNIQUE No. | Engine Type | Cyls | Size(mm) |        |                     |         |            | Remark                                   | Features                                                                            | Part No. |
|------------|-------------|------|----------|--------|---------------------|---------|------------|------------------------------------------|-------------------------------------------------------------------------------------|----------|
|            |             |      | Cyl Dia  | Length | Comp.Dist           | Pin Dia | Pin Length |                                          |                                                                                     |          |
| 2012 3001  | OM601       | 4    | 89.00    | 74.65  | 44.65               | 26.00   | 62.00      | Phosphated<br>Graphite<br>Alfin<br>Steel |  |          |
| 2012 3100  | OM602       | 4    | 89.00    | 71.25  | 44.75-16.73         | 28.00   | 70.00      | Graphite<br>Alfin<br>Oil gallery         |  |          |
| 2012 3200  | OM603       | 4    | 87.00    | 74.80  | 44.8-9.1            | 26.00   | 55.00      | Phosphated<br>Alfin<br>Steel             |  |          |
| 2012 3500  | OM616       | 4/5  | 90.90    | 81.85  | 48.35-<br>8.75/1.15 | 26.00   | 74.00      | Phosphated<br>Graphite<br>Alfin<br>Steel |  |          |
| 2012 3501  | OM616       | 4/5  | 90.90    | 81.80  | 48.3                | 26.00   | 74.00      | Phosphated<br>Alfin<br>Steel             |  |          |
| 2012 5300  | P16E        | 6    | 106.00   | 99.30  | 61.3-13/9.3         | 42.00   | 80.00      | Phosphated<br>Graphite<br>Alfin          |                                                                                     |          |

### MERCEDES BENZ > LINER

| UNIQUE No. | Engine Type | Size(mm) |        |        |        |       | Type | Weight (kg) | Part No. | Remark |
|------------|-------------|----------|--------|--------|--------|-------|------|-------------|----------|--------|
|            |             | A        | B      | C      | L      | H+F   |      |             |          |        |
| 2016 0300  | OM352       | 100.00   | 96.20  | 103.50 | 221.00 | 5.20  | Dry  | 1.50        | 004WV09  |        |
| 2016 0400  | OM355/A     | 122.00   | 127.50 | 137.50 | 287.50 | 5.50  | Dry  | 2.65        | 003WV09  |        |
| 2016 0800  | OM366       | 101.00   | 96.50  | 103.50 | 222.00 | 5.10  | Dry  | 1.05        |          |        |
| 2016 0900  | OM401       | 140.00   | 125.00 | 152.00 | 253.50 | 11.05 | Wet  | 6.00        | 003WN14  |        |
| 2016 0901  | OM401       | 144.50   | 125.00 | 154.00 | 253.00 | 10.92 | Wet  | 7.50        | 003WN24  |        |
| 2016 1300  | OM421       | 144.50   | 128.00 | 153.80 | 253.00 | 11.17 | Wet  | 6.30        | 003WN15  |        |
| 2016 1400  | OM422       | 144.50   | 128.00 | 153.80 | 253.00 | 10.92 | Wet  | 6.20        | 003WN25  |        |
| 2016 1700  | OM441       | 144.50   | 130.00 | 153.50 | 253.00 | 10.90 | Wet  | 5.70        | 003WN23  |        |
| 2016 2700  | OM501       | 150.00   | 130.00 | 164.10 | 258.00 | 11.22 | Wet  | 8.15        | 003WN30  |        |
| 2016 3500  | OM616       | 94.00    | 91.00  | 96.00  | 158.50 | 4.70  | Dry  | 0.50        | 001WV04  |        |

### MERCEDES BENZ > PISTON RING

| UNIQUE No. | Engine Type | Dia (mm) | Cyls | Position | Size H (mm) | Material | Surface Treatment | Ring Type |                                                                                       | Part No.                 |
|------------|-------------|----------|------|----------|-------------|----------|-------------------|-----------|---------------------------------------------------------------------------------------|--------------------------|
|            |             |          |      |          |             |          |                   |           |                                                                                       |                          |
| 2015 0100  | OM314       | 97.00    | 6    | 1        | 2.50        | DCI      | Mo P              | T-B       |  | 02250V0<br>(MAHLE)       |
|            |             |          |      | 2        | 2.50        | ACI      | Mo P              | IW        |  |                          |
|            |             |          |      | O        | 4.00        | ACI      | Cr1 P             | DSF       |  |                          |
| 2015 0200  | OM346       | 128.00   | 6    | 1        | 3.50        | DCI      | Cr P              | T-B       |  | 08-124500-00<br>(GOETZE) |
|            |             |          |      | 2        | 3.50        | ACI      | Mo P              | M         |  |                          |
|            |             |          |      | 3        | 3.50        | ACI      | Mo P              | N         |  |                          |
|            |             |          |      | O        | 6.50        | ACI      | Cr P              | DSF       |  |                          |

| LINER KITS (Continued)                  |             |          |      |          |             |          |                   |           |                                                                                       |                                                                 |
|-----------------------------------------|-------------|----------|------|----------|-------------|----------|-------------------|-----------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| MERCEDES BENZ > PISTON RING (Continued) |             |          |      |          |             |          |                   |           |                                                                                       |                                                                 |
| UNIQUE No.                              | Engine Type | Dia (mm) | Cyls | Position | Size H (mm) | Material | Surface Treatment | Ring Type |                                                                                       | Part No.                                                        |
| 2015 0300                               | OM352       | 97.00    | 6    | 1        | 3.00        | DCI      | Cr                | R         |    |                                                                 |
|                                         |             |          |      | 2        | 3.00        | ACI      | P                 | NM        |    |                                                                 |
|                                         |             |          |      | 3        | 3.00        | ACI      | P                 | NM        |    |                                                                 |
|                                         |             |          |      | O        | 5.50        | ACI      | Cr                | DSF       |    |                                                                 |
|                                         |             |          |      | O        | 5.50        | ACI      | P                 | D         |    |                                                                 |
| 2015 0400                               | OM355       | 128.00   | 6    | 1        | 3.50        | DCI      | Mo                | ET-B      |    | 003 54 VO (MAHLE)<br>800019611000 (KS)<br>08-176900-10 (GOETZE) |
|                                         |             |          |      | 2        | 3.50        | ACI      | Mo                | ET-B      |    |                                                                 |
|                                         |             |          |      | 3        | 3.50        | ACI      | Mo                | N         |    |                                                                 |
|                                         |             |          |      | O        | 6.50        | ACI      | Cr                | DSF       |    |                                                                 |
| 2015 0401                               | OM355A      | 128.00   | 6    | 1        | 3.50        | DCI      | Mo P              | ET-B      |    | 08-179300-10 (GOETZE)                                           |
|                                         |             |          |      | 2        | 3.50        | ACI      | Cr1 P             | ET-B      |    |                                                                 |
|                                         |             |          |      | 3        | 3.50        | ACI      | Cr1 P             | N         |    |                                                                 |
|                                         |             |          |      | O        | 6.50        | ACI      | Cr1 P             | DSF       |   |                                                                 |
| 2015 0500                               | OM360       | 115.00   | 6    | 1        | 3.50        | DCI      | Cr1 Mo            | T-B       |  | 06-176400-20 (GOETZE)<br>00511NO (MAHLE)                        |
|                                         |             |          |      | 2        | 3.00        | ACI      | Mo P              | IF        |  |                                                                 |
|                                         |             |          |      | O        | 5.50        | DCI      | Cr P              | DSF       |  |                                                                 |
| 2015 0700                               | OM364/A/LA  | 97.50    | 6    | 1        | 2.50        | DCI      | Cr                | T-B       |  |                                                                 |
|                                         |             |          |      | 2        | 2.50        | ACI      | P                 | IW        |  |                                                                 |
|                                         |             |          |      | O        | 4.00        | ACI      | Cr                | DSF       |  |                                                                 |
| 2015 0900                               | OM401 LA    | 125.00   | 6    | 1        | 3.00        | DCI      | Mo                | ET-B      |  | 06-176800-70 (GOETZE)<br>800019411000 (KS)                      |
|                                         |             |          |      | 2        | 3.00        | ACI      | Mo                | N         |  |                                                                 |
|                                         |             |          |      | O        | 6.00        | ACI      | Cr                | DSF       |  |                                                                 |
| 2015 1000                               | OM402A      | 125.00   | 6    | 1        | 3.00        | DCI      | Cr1 Mo            | T-B       |  | 00345V0 (MAHLE)<br>06-176800-80 (GOETZE)                        |
|                                         |             |          |      | 2        | 3.00        | ACI      | P                 | NM M      |  |                                                                 |
|                                         |             |          |      | O        | 6.00        | ACI      | Cr1               | DSF       |  |                                                                 |
| 2015 1400                               | OM422       | 128.00   | 8    | 1        | 3.00        | DCI      | Mo                | T-B       |  | 00366VO (MAHLE)<br>06-181700-20 (GOETZE)                        |
|                                         |             |          |      | 2        | 3.00        | ACI      | Cr                | IF        |  |                                                                 |
|                                         |             |          |      | O        | 4.00        | ACI      | Cr                | DSF       |  |                                                                 |
| 2015 1500                               | OM423       | 128.00   | 10   | 1        | 3.00        | DCI      | Mo                | T-B       |  | 00376N0 (MAHLE)                                                 |
|                                         |             |          |      | 2        | 3.00        | ACI      | Cr1               | IF        |  |                                                                 |
|                                         |             |          |      | O        | 4.00        | ACI      | Cr1               | DSF       |  |                                                                 |

# LINER KITS (Continued)

## MERCEDES BENZ > PISTON RING (Continued)

| UNIQUE No. | Engine Type | Dia (mm) | Cyls | Position | Size H (mm) | Material | Surface Treatment | Ring Type |                                                                                       | Part No.                                       |
|------------|-------------|----------|------|----------|-------------|----------|-------------------|-----------|---------------------------------------------------------------------------------------|------------------------------------------------|
| 2015 1900  | OM444       | 130.00   | 12   | 1        | 3.00        | DCI      | MOP               | B         |    | 00378NO<br>(MAHLE)<br>06-742300-00<br>(GOETZE) |
|            |             |          |      | 2        | 3.00        | ACI      | Cr                | IF        |    |                                                |
|            |             |          |      | O        | 4.00        | ACI      | Cr                | DSF       |    |                                                |
| 2015 3500  | OM616       | 91.00    | 6    | 1        | 3.00        | DCI      | Mo                | ET        |    | M270440<br>(PC)                                |
|            |             |          |      | 2        | 2.00        | ACI      | Mo                | IF        |    |                                                |
|            |             |          |      | O        | 4.00        | ACI      | Cr                | DSF       |    |                                                |
| 2015 3900  | OM904       | 102      | 6    | 1        | 3.00        | DCI      | Cr                | T-B       |    |                                                |
|            |             |          |      | 2        | 5.00        | ACI      | Cr                | IF        |    |                                                |
|            |             |          |      | O        | 4.00        | ACI      | Cr                | DSF       |    |                                                |
| 2015 4400  | M102E/M102V | 89       | 4    | 1        | 1.75        | DCI      | Cr                | IF        |    |                                                |
|            |             |          |      | 2        | 2.00        | ACI      | P                 | NM        |    |                                                |
|            |             |          |      | O        | 3.50        | ACI      | Cr                | DSF       |    |                                                |
| 2015 4401  | M102E23     | 95.50    | 4    | 1        | 1.50        | DCI      | Cr P              | IF        |   | 00277NO<br>(MAHLE)                             |
|            |             |          |      | 2        | 1.75        | F14      | P                 | NM        |  |                                                |
|            |             |          |      | O        | 3.50        | ACI      | Cr P              | DSF       |  |                                                |
| 2015 4500  | M103/E26    | 82.9     | 6    | 1        | 1.50        | DCI      | Cr                | IF        |  |                                                |
|            |             |          |      | 2        | 1.75        | ACI      | P                 | NM        |  |                                                |
|            |             |          |      | O        | 3.00        | ACI      | Cr                | DSF       |  |                                                |
| 2015 4501  | M103E/M104E | 88.5     | 6    | 1        | 1.50        | DCI      | Cr                | IF        |  |                                                |
|            |             |          |      | 2        | 1.75        | ACI      | P                 | NM        |  |                                                |
|            |             |          |      | O        | 3.00        | ACI      | Cr                | DSF       |  |                                                |
| 2015 4600  | M110/M123   | 86       | 6    | 1        | 1.75        | DCI      | Cr                | IF        |  |                                                |
|            |             |          |      | 2        | 2.50        | ACI      | P                 | NM        |  |                                                |
|            |             |          |      | O        | 4.00        | ACI      | Cr                | DSF       |  |                                                |
| 2015 4700  | M113.960    | 97.00    | 8    | 1        | 3.00        | DCI      | Cr                | R         |  | 00045NO<br>(MAHLE)                             |
|            |             |          |      | 2        | 3.00        | ACI      | P                 | NM        |  |                                                |
|            |             |          |      | O        | 5.50        | ACI      | Cr                | DSF       |  |                                                |
| 2015 4800  | M115/M115KV | 93.75    | 4    | 1        | 1.75        | DCI      | Cr                | IF        |  |                                                |
|            |             |          |      | 2        | 2.50        | ACI      | P                 | NM        |  |                                                |
|            |             |          |      | O        | 4.0         | ACI      | Cr                | DSF       |  |                                                |



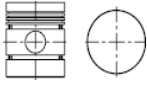
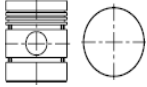
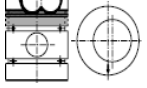
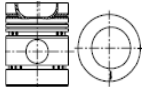
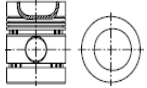
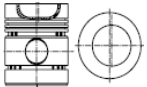
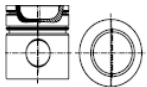
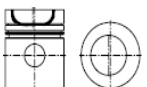
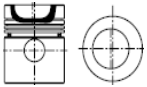
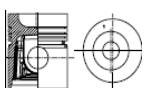
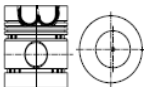
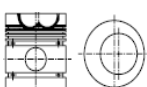
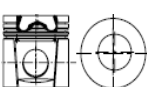
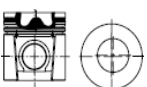
## LINER KITS (Continued)

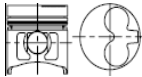
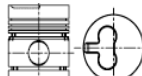
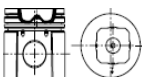
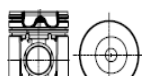
### MERCEDES BENZ > PISTON RING (Continued)

| UNIQUE No. | Engine Type  | Dia (mm) | Cyls | Position | Size H (mm) | Material | Surface Treatment | Ring Type |                                                                                     | Part No.                 |
|------------|--------------|----------|------|----------|-------------|----------|-------------------|-----------|-------------------------------------------------------------------------------------|--------------------------|
| 2015 4900  | M116.960-963 | 92.00    | 4    | 1        | 1.75        | DCI      | Cr P              | ET        |  | 06-173807-20<br>(GOETZE) |
|            |              |          |      | 2        | 2.00        | F14      | P                 | NM        |  |                          |
|            |              |          |      | O        | 3.50        | ACI      | Cr P              | DSF       |  |                          |
| 2015 5000  | M119A        | 92.00    | 4    | 1        | 1.50        | DCI      | Cr P              | ET        |  | M002360<br>(PC)          |
|            |              |          |      | 2        | 2.00        | ACI      | Cr P              | NM        |  |                          |
|            |              |          |      | O        | 3.50        | ACI      | Cr P              | DSF       |  |                          |
| 2015 5100  | M155         | 87       | 4    | 1        | 1.75        | DCI      | Cr                | IF        |  |                          |
|            |              |          |      | 2        | 2.50        | ACI      | P                 | NM        |  |                          |
|            |              |          |      | O        | 4.00        | ACI      | Cr                | DSF       |  |                          |

# LINER KITS (Continued)

## PERKINS > PISTON

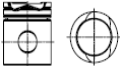
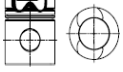
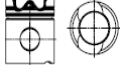
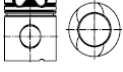
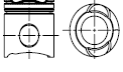
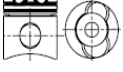
| UNIQUE No. | Engine Type | Cyls | Size(mm) |        |             |         |            | Remark                                  | Features                                                                              | Part No.               |
|------------|-------------|------|----------|--------|-------------|---------|------------|-----------------------------------------|---------------------------------------------------------------------------------------|------------------------|
|            |             |      | Cyl Dia  | Length | Comp.Dist   | Pin Dia | Pin Length |                                         |                                                                                       |                        |
| 3412 0100  | 3.152       | 4    | 91.48    | 107.70 | 57.20       | 31.75   | 75.30      | Shiny                                   |    | 81512.00               |
| 3412 0101  | P3.152      | 3    | 91.48    | 107.70 | 56.90       | 31.75   | 75.00      | Shiny                                   |    |                        |
| 3412 0102  | D3.152      | 3    | 91.48    | 109.54 | 61.91-18.4  | 31.75   | 75.30      | Shiny<br>Alfin                          |    | 31354617<br>68332F4F   |
| 3412 0400  | 4.236       | 4    | 98.48    | 120.90 | 70.25-20.28 | 34.92   | 84.10      | Shiny<br>Alfin                          |    | 82878                  |
| 3412 0401  | AD4.236     | 4    | 98.48    | 121.48 | 70.68-20.71 | 34.92   | 84.10      | Shiny                                   |    | 68301                  |
| 3412 0402  | 4.236 EURO  | 4    | 98.48    | 120.90 | 70.25-25.7  | 34.92   | 84.10      | Shiny                                   |   |                        |
| 3412 0403  | T4.236      | 4    | 98.48    | 108.25 | 70.25-20.4  | 38.10   | 82.50      | Phosphate<br>Graphite<br>Alfin<br>Steel |  | 3637360M91<br>U5LP0022 |
| 3412 0600  | 4.248       | 4    | 101.05   | 120.90 | 70.1-20.7   | 34.92   | 84.10      | Shiny<br>Steel                          |  | U5LP0009               |
| 3412 0601  | 4.248       | 4    | 101.05   | 121.00 | 70.20-21    | 34.92   | 84.10      | Tinned                                  |  |                        |
| 3412 0602  | 4.248       | 6    | 101.05   | 121.10 | 70.30/21.1  | 34.92   | 84.10      | Tinned                                  |  | 89207                  |
| 3412 0900  | 6.354       | 4    | 98.48    | 120.70 | 70.1-20.7   | 34.92   | 84.10      | Shiny                                   |  | 86740                  |
| 3412 1700  | D4.203      | 4    | 91.48    | 109.54 | 61.91-18.4  | 31.75   | 75.30      | Skirt<br>graphite<br>Alfin<br>(pointed) |  | 68332-82111            |
| 3412 1800  | D-J         | 6    | 105.00   | 108.00 | 70-22.4/7.9 | 39.70   | 70.00      | Phosphate<br>Graphite<br>Alfin          |  | 4115P011               |
| 3412 1801  | D-J         | 6    | 105.00   | 108.00 | 70-21.9     | 39.70   | 78.50      | Phosphate<br>Graphite<br>Alfin          |  |                        |

| LINER KITS (Continued)       |               |          |          |        |                 |         |            |                                |                                                                                       |            |
|------------------------------|---------------|----------|----------|--------|-----------------|---------|------------|--------------------------------|---------------------------------------------------------------------------------------|------------|
| PERKINS > PISTON (Continued) |               |          |          |        |                 |         |            |                                |                                                                                       |            |
| UNIQUE No.                   | Engine Type   | Cyls     | Size(mm) |        |                 |         |            | Remark                         | Features                                                                              | Part No.   |
|                              |               |          | Cyl Dia  | Length | Comp.Dist       | Pin Dia | Pin Length |                                |                                                                                       |            |
| 3412 2200                    | HP            | 4/6      | 84.00    | 87.60  | 47.60           | 28.00   | 72.00      | Skirt graphite                 |    |            |
| 3412 2300                    | MF240         | 3        | 91.48    | 109.54 | 61.91-19.0      | 31.75   | 75.30      | Shiny Steel                    |    | 89214      |
| 3412 2400                    | MF260         | 3        | 91.48    | 108.92 | 61.758          | 31.75   | 79.50      | Phosphate Graphite Alfin       |    | 3135F051   |
| 3412 2500                    | MF35          | 4        | 84.00    | 98.30  | 60.20           | 28.00   | 71.40      | Shiny                          |    | 1884101M91 |
| 3412 2600                    | Phaser90      | 4/6      | 100.00   | 108.02 | 70.02-11/20.14  | 34.92   | 84.10      | Phosphate Graphite Alfin Steel |    | U5LL0015   |
| 3412 2601                    | Phaser1004-47 | 4        | 100.00   | 108.02 | 70.02-19.3/10.3 | 38.10   | 82.50      | Phosphate Graphite Alfin Steel |   | U5LL0014   |
| 3412 2700                    | T4.40         | 4/6      | 100.00   | 108.13 | 70.2-21.8/7.55  | 39.70   | 78.00      | Phosphate Graphite Alfin       |  |            |
| 3412 2701                    | 4.4           | 4/6      | 100.00   | 108.02 | 70.02-11/20.14  | 34.92   | 84.10      | Phosphate Graphite Alfin Steel |  | 350769     |
| PERKINS > LINER              |               |          |          |        |                 |         |            |                                |                                                                                       |            |
| UNIQUE No.                   | Engine Type   | Size(mm) |          |        |                 |         | Type       | Weight (kg)                    | Part No.                                                                              | Remark     |
|                              |               | A        | B        | C      | L               | H+F     |            |                                |                                                                                       |            |
| 3416 0100                    | 3.152         | 93.75    | 91.50    | 96.60  | 216.00          | 3.81    | Dry        | 0.50                           | 31358345                                                                              |            |
| 3416 0400                    | 4.236/A4.236  | 103.28   | 98.48    | 106.40 | 227.50          | 4.85    | Dry        | 1.25                           | 3135X035                                                                              |            |
| 3416 0600                    | 4.248         | 104.20   | 101.05   | 107.40 | 227.30          | 4.65    | Dry        | 1.20                           | 3135X033<br>3135X034                                                                  |            |
| 3416 0700                    | 4.318         | 117.88   | 114.30   | 121.00 | 230.80          | 2.71    | Dry        | 1.50                           | 31358533                                                                              |            |
| 3416 0900                    | 6.354         | 103.28   | 97.70    | 107.36 | 227.30          | 3.80    | Dry        | 1.70                           | 3135X031<br>3135X032                                                                  |            |
| 3416 2700                    | T4.40         | 104.28   | 100.00   | 107.50 | 226.50          | 3.86    | Dry        | 1.10                           | 3135X041                                                                              |            |
| 3416 2800                    | T6.60         | 104.28   | 100.00   | 107.50 | 226.44          | 3.86    | Dry        | 1.10                           | 3135X042                                                                              |            |

# LINER KITS (Continued)

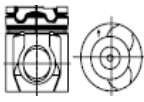
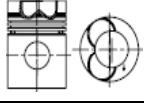
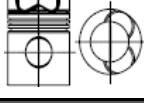
## PERKINS > PISTON RING

| UNIQUE No. | Engine Type        | Dia (mm) | Cyls | Position | Size H (mm) | Material | Surface Treatment | Ring Type |                                                                                       | Part No.                       |
|------------|--------------------|----------|------|----------|-------------|----------|-------------------|-----------|---------------------------------------------------------------------------------------|--------------------------------|
| 3415 0100  | 3.152 6.305        | 91.48    | 3/6  | 1        | 2.38        | ACI      | Cr1P              | R         |    | 41158058<br>04321VO<br>(MAHLE) |
|            |                    |          |      | 2        | 2.38        | ACI      | P                 | M         |    |                                |
|            |                    |          |      | 3        | 3.18        | ACI      | P                 | NM        |    |                                |
|            |                    |          |      | O        | 6.35        | ACI      | Cr1               | DSF       |    |                                |
|            |                    |          |      | O        | 6.35        | ACI      | P                 | S         |    |                                |
| 3415 0200  | 4.108              | 79.38    | 4    | 1        | 2.00        | ACI      | Cr P              | R         |    | 41158086                       |
|            |                    |          |      | 2        | 1.60        | ACI      | P                 | M         |    |                                |
|            |                    |          |      | 3        | 1.60        | ACI      | P                 | NM        |    |                                |
|            |                    |          |      | O        | 4.76        | ACI      | Cr P              | DSF       |    |                                |
|            |                    |          |      | O        | 4.76        | ACI      | Cr                | S         |    |                                |
| 3415 0300  | 4.165              | 92.00    | 4    | 1        | 2.00        | ACI      | Cr                | ET-B      |    | 41158501                       |
|            |                    |          |      | 2        | 2.50        | ACI      | Cr                | IF        |    |                                |
|            |                    |          |      | O        | 4.00        | ACI      | Cr                | DSF       |    |                                |
| 3415 0400  | 4.236 6.354        | 98.48    | 4/6  | 1        | 2.38        | DCI      | Cr                | R         |   | 41158041<br>04348NO<br>(MAHLE) |
|            |                    |          |      | 2        | 2.38        | ACI      | P                 | N         |  |                                |
|            |                    |          |      | 3        | 2.38        | ACI      | P                 | N         |  |                                |
|            |                    |          |      | O        | 6.35        | ACI      | Cr                | DSF       |  |                                |
|            |                    |          |      | O        | 6.35        | ACI      | P                 | S         |  |                                |
| 3415 0600  | 4.248              | 101.05   | 4    | 1        | 2.50        | DCI      | Mo inset          | IW        |  | 41158022                       |
|            |                    |          |      | 2        | 2.50        | ACI      | Cr                | IF        |  |                                |
|            |                    |          |      | O        | 5.00        | ACI      | Cr                | DSF       |  |                                |
| 3415 0601  | 4.248              | 101.05   | 4    | 1        | 2.38        | ACI      | Cr                | IW        |  | 4181A009<br>04330NO<br>(MAHLE) |
|            |                    |          |      | 2        | 2.38        | ACI      | P                 | IF        |  |                                |
|            |                    |          |      | 3        | 2.38        | ACI      | P                 | IF        |  |                                |
|            |                    |          |      | O        | 6.35        | ACI      | Cr                | DSF       |  |                                |
| 3415 1000  | 1004-4T<br>1006-6T | 100.00   | 4/6  | 1        | 2.50        | DCI      | Mo inset          | IW        |  | 4181A019                       |
|            |                    |          |      | 2        | 2.50        | ACI      | P                 | N         |  |                                |
|            |                    |          |      | O        | 4.00        | ACI      | Cr                | DSF       |  |                                |
| 3415 1001  | 1004-4T<br>1006-6T | 100.00   | 4/6  | 1        | 3.00        | DCI      | Mo inset          | IW        |  | 4181A021                       |
|            |                    |          |      | 2        | 2.50        | ACI      | P                 | N         |  |                                |
|            |                    |          |      | O        | 4.00        | ACI      | Cr                | DSF       |  |                                |
| 3415 1002  | 1004-4T<br>1006-6T | 100.00   | 4/6  | 1        | 3.50        | DCI      | Mo inset          | IW        |  | 4181A026                       |
|            |                    |          |      | 2        | 2.50        | ACI      | P                 | N         |  |                                |
|            |                    |          |      | O        | 4.00        | ACI      | Cr                | DSF       |  |                                |

| LINER KITS (Continued) |               |          |          |          |                   |          |                   |                          |                                                                                       |                      |
|------------------------|---------------|----------|----------|----------|-------------------|----------|-------------------|--------------------------|---------------------------------------------------------------------------------------|----------------------|
| SCANIA > PISTON        |               |          |          |          |                   |          |                   |                          |                                                                                       |                      |
| UNIQUE No.             | Engine Type   | Cyls     | Size(mm) |          |                   |          |                   | Remark                   | Features                                                                              | Part No.             |
|                        |               |          | Cyl Dia  | Length   | Comp.Dist         | Pin Dia  | Pin Length        |                          |                                                                                       |                      |
| 1712 1300              | DS11.21       | 6        | 127.00   | 156.26   | 98.76             | 50.00    | 108.00            | Graphite Alfin           |    | GB300<br>0614700     |
| 1712 1301              | DS11.01       | 6        | 127.00   | 156.30   | 98.8-27.01        | 50.00    | 108.00            | Phosphate Graphite Alfin |    |                      |
| 1712 1302              | DS11.75       | 6        | 127.00   | 156.30   | 98.8-26.8<br>6.4  | 50.00    | 108.00            | Graphite Alfin           |    | 1121085              |
| 1712 1303              | DS11.34       | 6        | 127.00   | 156.30   | 98.8-24.5<br>6.1  | 50.00    | 108.00            | Phosphate Graphite Alfin |    |                      |
| 1712 2000              | DS14.03       | 8        | 127.00   | 146.67   | 94.67-15.9<br>6.0 | 50.00    | 108.00            | Graphite Alfin           |    |                      |
| 1712 2001              | DS14.05       | 6        | 127.00   | 146.67   | 94.67-24<br>2.92  | 50.00    | 105.00            | Graphite Alfin           |    |                      |
| SCANIA > LINER         |               |          |          |          |                   |          |                   |                          |                                                                                       |                      |
| UNIQUE No.             | Engine Type   | Size(mm) |          |          |                   |          | Type              | Weight (kg)              | Part No.                                                                              | Remark               |
|                        |               | A        | B        | C        | L                 | H+F      |                   |                          |                                                                                       |                      |
| 1716 0700              | D 8/DN 8.01   | 130.00   | 115.00   | 137.30   | 270.80            | 9.00     | Wet               | 5.3                      | 061WN08                                                                               |                      |
| 1716 1000              | DS 9.05/06/08 | 127.95   | 115.00   | 140.70   | 265.50            | 11.10    | Wet               | 5.8                      |                                                                                       |                      |
| 1716 1300              | DS 11         | 140.00   | 127.00   | 153.80   | 291.00            | 8.70     | Wet               | 7.3                      | 061WN09                                                                               |                      |
| 1716 1400              | DSC11.01      | 140.00   | 127.00   | 153.80   | 291.00            | 9.00     | Wet               | 7.2                      | 061WN07                                                                               |                      |
| 1716 2200              | DS 14         | 140.00   | 127.00   | 155.70   | 276.00            | 10.45    | Wet               | 7.1                      | 061WN16                                                                               |                      |
| SCANIA > PISTON RING   |               |          |          |          |                   |          |                   |                          |                                                                                       |                      |
| UNIQUE No.             | Engine Type   | Dia (mm) | Cyls     | Position | Size H (mm)       | Material | Surface Treatment | Ring Type                |                                                                                       | Part No.             |
| 1715 1200              | D11           | 127.00   | 8        | 1        | 2.38              | DCI      | Mo                | B                        |  | 061 34 N0<br>(MAHLE) |
|                        |               |          |          | 2        | 2.38              | ACI      | P                 | IW                       |  |                      |
|                        |               |          |          | O        | 4.75              | ACI      | Cr                | DSF                      |  |                      |
| 1715 1400              | DSC11         | 127.00   | 8        | 1        | 3.50              | DCI      | Mo                | IW-B                     |  | 061 41 N0<br>(MAHLE) |
|                        |               |          |          | 2        | 2.38              | ACI      | P                 | IW                       |  |                      |
|                        |               |          |          | O        | 4.75              | ACI      | Cr                | DSF                      |  |                      |
| 1715 2000              | DSC14         | 127.00   | 8        | 1        | 3.50              | DCI      | Cr                | IW-B                     |  | 061 06 N0<br>(MAHLE) |
|                        |               |          |          | 2        | 2.38              | ACI      | P                 | IW                       |  |                      |
|                        |               |          |          | O        | 3.50              | ACI      | Cr                | DSF                      |  |                      |

## LINER KITS (Continued)

### VOLVO > PISTON

| UNIQUE No. | Engine Type | Cyls | Size(mm) |        |               |         |            | Remark                               | Features                                                                            | Part No. |
|------------|-------------|------|----------|--------|---------------|---------|------------|--------------------------------------|-------------------------------------------------------------------------------------|----------|
|            |             |      | Cyl Dia  | Length | Comp.Dist     | Pin Dia | Pin Length |                                      |                                                                                     |          |
| 1812 1700  | Penta       | 6    | 107.00   | 132.50 | 88.5-22       | 47.00   | 85.50      | Phosphate Graphite Alfin Oil gallery |  |          |
| 1812 2200  | TD70        | 6    | 104.77   | 141.05 | 88.45-26      | 45.00   | 85.50      | Graphite Alfin                       |  |          |
| 1812 2500  | TD74        | 6    | 104.77   | 141.05 | 88.45-10.5/21 | 45.00   | 85.50      | Tinned Alfin Oil gallery             |  |          |

### VOLVO > LINER

| UNIQUE No. | Engine Type  | Size(mm) |        |        |        |       | Type | Weight (kg) | Part No. | Remark |
|------------|--------------|----------|--------|--------|--------|-------|------|-------------|----------|--------|
|            |              | A        | B      | C      | L      | H+F   |      |             |          |        |
| 1816 1900  | D 60         | 110.00   | 98.43  | 119.10 | 234.50 | 12.40 | Wet  | 3.50        | 037WN07  |        |
| 1816 2000  | TD 61B/C/F/G | 110.00   | 98.43  | 119.10 | 237.50 | 13.10 | Wet  | 3.42        | 037WN27  |        |
| 1816 2200  | D 70A/B      | 117.00   | 104.80 | 127.00 | 257.00 | 12.50 | Wet  | 4.65        | 037WN11  |        |
| 1816 2300  | TD 71        | 117.00   | 104.80 | 127.00 | 259.50 | 13.15 | Wet  | 4.56        | 037WN26  |        |
| 1816 2600  | TD100A/B     | 134.00   | 120.65 | 147.00 | 294.00 | 12.54 | Wet  | 7.00        | 037WN18  |        |
| 1816 2601  | TD100BG/F/G  | 134.00   | 120.65 | 147.00 | 296.50 | 15.02 | Wet  | 6.50        | 037WN23  |        |
| 1816 3000  | TD 120A      | 143.90   | 130.18 | 157.60 | 311.00 | 14.40 | Wet  | 7.90        | 037WN22  |        |
| 1816 3100  | TD 121D/F/G  | 143.90   | 130.18 | 157.60 | 311.00 | 11.30 | Wet  | 7.85        |          |        |
| 1816 3200  | TD 122F      | 143.90   | 130.18 | 157.60 | 313.00 | 13.68 | Wet  | 7.80        |          |        |

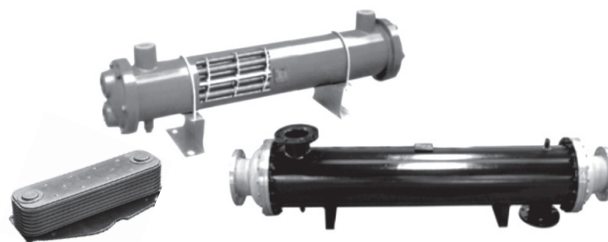
### VOLVO > PISTON RING

| UNIQUE No. | Engine Type                                  | Dia (mm) | Cyls | Position | Size H (mm) | Material | Surface Treatment | Ring Type |                                                                                       | Part No.                        |
|------------|----------------------------------------------|----------|------|----------|-------------|----------|-------------------|-----------|---------------------------------------------------------------------------------------|---------------------------------|
| 1815 0500  | D12AEUR0 2                                   | 131.00   | 6    | 1        | 4.00        | ACI      | MoP               | ET        |  | 08-123200-00 (GOETZE)           |
|            |                                              |          |      | 2        | 3.00        | ACI      | CrP               | IF        |  |                                 |
|            |                                              |          |      | O        | 4.00        | ACI      | CrP               | DSF       |  |                                 |
| 1815 2600  | TD100B<br>TD101<br>TD102<br>THD102<br>TMD122 | 120.65   | 6    | 1        | 2.39        | ACI      | MoP               | B         |  | 271117<br>08-501400-00 (GOETZE) |
|            |                                              |          |      | 2        | 3.16        | ACI      | Cr                | M         |  |                                 |
|            |                                              |          |      | O        | 4.75        | ACI      | Cr                | DSF       |  |                                 |
| 1815 3000  | TAD120<br>TAMD120<br>TD120<br>TA122          | 130.18   | 6    | 1        | 2.38        | ACI      | MoP               | B         |  | 275321<br>08-405600-00 (GOETZE) |
|            |                                              |          |      | 2        | 3.18        | ACI      | CrP               | IF        |  |                                 |
|            |                                              |          |      | O        | 4.76        | ACI      | CrP               | DSF       |  |                                 |
| 1815 3300  | TD162                                        | 144.00   | 6    | 1        | 2.39        | ACI      | MoP               | R         |  | 08-500300-00 (GOETZE)           |
|            |                                              |          |      | 2        | 3.16        | ACI      | CrP               | IF        |  |                                 |
|            |                                              |          |      | O        | 4.74        | ACI      | CrP               | DSF       |  |                                 |
| 1815 3400  | TAMD 162C<br>TD163                           | 144.00   | 6    | 1        | 2.96        | ACI      | MoP               | R         |  | 08-502500-00 (GOETZE)           |
|            |                                              |          |      | 2        | 3.46        | ACI      | CrP               | IF        |  |                                 |
|            |                                              |          |      | O        | 5.00        | ACI      | CrP               | DSF       |  |                                 |

## LINER KITS (Continued)

### VOLVO > PISTON RING (Continued)

| UNIQUE No. | Engine Type | Dia (mm) | Cyls | Position | Size H (mm) | Material | Surface Treatment | Ring Type |                                                                                     | Part No.                           |
|------------|-------------|----------|------|----------|-------------|----------|-------------------|-----------|-------------------------------------------------------------------------------------|------------------------------------|
| 1815 3500  | TD67C       | 104.78   | 6    | 1        | 2.39        | ACI      | CrP               | ET        |  | 275308<br>08-392000-00<br>(GOETZE) |
|            |             |          |      | 2        | 3.16        | ACI      | P                 | R         |  |                                    |
|            |             |          |      | 3        | 3.16        | ACI      | P                 | M         |  |                                    |
|            |             |          |      | O        | 4.75        | ACI      | CrP               | DSF       |  |                                    |
|            |             |          |      | O        | 4.75        | ACI      | P                 | S         |  |                                    |



## Other Products

### OIL COOLER

| UNIQUE No. | Engine Brand  | Engine Type         | Part No.     |
|------------|---------------|---------------------|--------------|
| 2110 0100  | CUMMINS       | 4BT                 | 3921557      |
| 2110 0101  | CUMMINS       | 4/6BT               | 3904320      |
| 2110 0200  | CUMMINS       | 6BT                 | 3921558      |
| 2110 0300  | CUMMINS       | 6CT                 | 3918175      |
| 2110 0301  | CUMMINS       | 6CT                 | 3918175      |
| 2110 2000  | CUMMINS       | KT19                | 3023079      |
| 2110 2001  | CUMMINS       | KT38                | 3627295      |
| 2110 2200  | CUMMINS       | L375/L8.9           | 3966365      |
| 2110 2300  | CUMMINS       | M11                 | 3821695      |
| 1110 0103  | DEUTZ         | TD226B-3            | W216800000A  |
| 1110 0104  | DEUTZ         | TD226B-4            | W215900000B  |
| 1110 0106  | DEUTZ         | TD226B-6            | W219700000B  |
| 1110 0206  | DEUTZ         | F6L413F             | 4149211      |
| 1110 0208  | DEUTZ         | F8L413F<br>BF8L413F | 4147613      |
|            | DEUTZ         |                     | 4147841      |
|            | DEUTZ         |                     | 2149726      |
|            | DEUTZ         |                     | 2149933      |
|            | DEUTZ         |                     | 4149147      |
|            | DEUTZ         |                     | 2427878      |
|            | DEUTZ         |                     | 4185133      |
| 1110 0212  | DEUTZ         | BF12L413F           | 4147615      |
| 1110 0300  | DEUTZ         | FL511               | 2234258      |
| 1110 0302  | DEUTZ         | F2L511              | 4157557      |
| 1110 0504  | DEUTZ         | F4/6L912            | 2235338      |
| 1110 0503  | DEUTZ         | F3L912              | 4150016      |
| 1110 0504  | DEUTZ         | F4L912              | 2234409      |
| 1110 0506  | DEUTZ         | F6L912              | 2234414      |
|            | DEUTZ         |                     | 2235019      |
|            | DEUTZ         |                     | 2237422      |
| 1110 0606  | DEUTZ         | B/F6L913            | 2233097      |
|            | DEUTZ         |                     | 4230100      |
|            | DEUTZ         |                     | 4230095      |
| 1110 0904  | DEUTZ         | F4M1012             |              |
| 1110 1006  | DEUTZ         | BF6M1013            | 52D          |
| 1110 1106  | DEUTZ         | BF6M1015            | 4262818      |
| 1110 1108  | DEUTZ         | BF8M1015            | 4262819      |
| 1110 1106  | DEUTZ         | F6M1015             | 4220606      |
| 1110 1108  | DEUTZ         | F8M1015             | 4220607      |
| 2010 0100  | MERCEDES BENZ | OM314 EURO II       |              |
| 2010 0400  | MERCEDES BENZ | OM355               | 355 180 1165 |
| 2010 0401  | MERCEDES BENZ | OM355 EURO II       | 3451807510   |
| 2010 0402  | MERCEDES BENZ | OM355 EURO2         | 3551802010   |
| 2010 0900  | MERCEDES BENZ | OM401LA/OM442       | 001 188 8801 |
| 2010 1100  | MERCEDES BENZ | OM403/442/422       | 001 188 3101 |
| 2010 1701  | MERCEDES BENZ | OM442               | 002 188 4301 |
| 2010 2200  | MERCEDES BENZ | OM457               | 4571802610   |
| 3410 1500  | PERKINS       | 135Ti               | T4314A022    |
| 3410 1400  | PERKINS       | 110Ti               | T2486A220    |





| Other Products (Continued) |              |                                     |                                |
|----------------------------|--------------|-------------------------------------|--------------------------------|
| Water Pump                 |              |                                     |                                |
| UNIQUE No.                 | Engine Brand | ENGINE                              | OEM No.                        |
| 1908 0500                  | MAN          | D0824 LE301                         | 51.06500.6476                  |
|                            | MAN          | D0824 LF01/02                       |                                |
|                            | MAN          | D0824 LOH01-05                      |                                |
|                            | MAN          | D0826 F/FR/F01/02/FR01/02           |                                |
|                            | MAN          | D0826 FO/F0-01/02                   |                                |
|                            | MAN          | D0826/LF/LF217/LF01/02/04-09/11-13  |                                |
|                            | MAN          | D0826 LF15/17/18                    |                                |
|                            | MAN          | D0826 LFG01-07                      |                                |
|                            | MAN          | D0826 LFL03/06-10                   |                                |
|                            | MAN          | D0826 LOH/LOH01-13/15/17-19         |                                |
|                            | MAN          | D0826 OH/OH01-03                    |                                |
|                            | MAN          | D0826 TF                            |                                |
| 1908 0600                  | MAN          | D0826 LF/LF217/LF01/02              | 51.06500.6495                  |
|                            | MAN          | D0826 LF04-09/11/12/13              |                                |
|                            | MAN          | D0826 LFG01-07                      |                                |
|                            | MAN          | D0826 LOH/LOH01-13                  |                                |
| 1908 0501                  | MAN          | D0824 LF01/02                       | 51.06500.6537                  |
|                            | MAN          | D0824 LFL01/02/04-10/LFO-01         |                                |
|                            | MAN          | D0824 LOH01-05                      |                                |
|                            | MAN          | D0826 LF/LF217/LF01/02              |                                |
|                            | MAN          | D0826 LF04-09/11/12/13              |                                |
|                            | MAN          | D0826 LF15/17/18                    |                                |
|                            | MAN          | D0826 LFG15/16                      |                                |
|                            | MAN          | D0826 LFL03/06-10                   |                                |
| 1908 0502                  | MAN          | D0826 LOH15/17/18/19                | 51.06500.6515                  |
|                            | MAN          | D0824 FL01                          |                                |
|                            | MAN          | D0824 LFG01                         |                                |
|                            | MAN          | D0824LFL01/02/04-10/LFO-01          |                                |
|                            | MAN          | D0824 LOHO01-05                     |                                |
| 1908 0601                  | MAN          | D0824 LFL03/06-10                   | 51.06500.6543                  |
|                            | MAN          | D0826 LUH/LUH213/                   |                                |
| 1908 0300                  | MAN          | D0826 LUH01-06/08/10/12/13          | 51.06500.6432<br>51.06500.6423 |
|                            | MAN          | D0224 M                             |                                |
|                            | MAN          | D0226 MKF/MKH/MKFA/MKFO/MKF-CA      |                                |
|                            | MAN          | D0826 F/GFA/GF01/03/04/GFA01/03/04  |                                |
| 1908 0700                  | MAN          | D0826 GFA02                         | 51.06500.6612                  |
|                            | MAN          | D0834 LFL01-04                      |                                |
|                            | MAN          | D0834 LOH01-03                      |                                |
|                            | MAN          | D0836 LF01-05                       |                                |
|                            | MAN          | D0836 LFG01                         |                                |
|                            | MAN          | D0836 LFL01-06                      |                                |
| 1908 1100                  | MAN          | D0836 LOH01-04                      | 51.06500.7049                  |
| 1908 1101                  | MAN          | D2066 LF01-04/6/7/11-47/51-53/57-60 | 51.06500.6646                  |
|                            | MAN          | D2066 LUH01/14/47/48                |                                |

## Other Products (Continued)

### Water Pump (Continued)

| UNIQUE No. | Engine Brand | ENGINE                              | OEM No.       |
|------------|--------------|-------------------------------------|---------------|
| 1908 1102  | MAN          | D2066 LF01-04/6/7/11-47/51-53/57-60 | 51.06500.6642 |
|            | MAN          | D2066 LFG01                         |               |
|            | MAN          | D2066 LOH01-08/10-12/26-28          |               |
|            | MAN          | D2676 LF01-8/10-18/21/22/27         |               |
|            | MAN          | D2676 LOH01-04/10/26-28             |               |
| 1908 1700  | MAN          | D2565 MUL                           | 51.06500.6282 |
|            | MAN          | D2566 M/MF/MR/MFR                   |               |
|            | MAN          | D2566 UH/200                        |               |
|            | MAN          | D2866 F/FR                          |               |
|            | MAN          | D2866 FG                            |               |
|            | MAN          | D2866 OH                            |               |
|            | MAN          | D2866 UH/UM/UM01                    |               |
|            | MAN          | E2866 DOH01/DF01                    |               |
| 1908 1701  | MAN          | D2565 M/MF/MFR                      | 51.06500.6228 |
|            | MAN          | D2565 MUL                           |               |
| 1908 1800  | MAN          | D2566 MK/MKF/MKH                    | 51.06500.6408 |
|            | MAN          | D2566 MKUL                          |               |
|            | MAN          | D2840 LXF/LF03/LF420/520            |               |
|            | MAN          | D2865 LF/LFR/LXF/LXFR/LF01          |               |
|            | MAN          | D2865 LFR01                         |               |
|            | MAN          | D2865 LF21-24                       |               |
|            | MAN          | D2865 LOH01/02/05/07-10             |               |
|            | MAN          | D2865 LU01-06                       |               |
|            | MAN          | D2866 KF                            |               |
| 1908 1800  | MAN          | D2866 KH/KFZ/KOH                    | 51.06500.6408 |
|            | MAN          | D2866 KU/KUL                        |               |
|            | MAN          | D2866 KUH                           |               |
|            | MAN          | D2866 LF/LXF                        |               |
|            | MAN          | D2866 LF02-10/14-17                 |               |
|            | MAN          | D2866 LF20-25/29-31/34/35/38-40/45  |               |
|            | MAN          | D2866 LFG/LXFG                      |               |
|            | MAN          | D2866 LFG03/04/05/07                |               |
|            | MAN          | D2866 LFZ/LFZR                      |               |
|            | MAN          | D2866 LH01/02                       |               |
|            | MAN          | D2866 LOH/LXOH/LOH02/03/06/07/09    |               |
|            | MAN          | D2866 LOH20-26/30/31                |               |
|            | MAN          | D2866 LU/LUL/LXU/LU01/03/04/07/08   |               |
|            | MAN          | D2866 LUH/LXUH/LUH05                |               |
|            | MAN          | D2866 TOH                           |               |
|            | MAN          | D2866 TUH/TUH01/TUM                 |               |
|            | MAN          | D2876 LOH01                         |               |
|            | MAN          | E2866 DUH01/02/03/04                |               |
|            | MAN          | G2866 UH/UM/DUH01-05/DUM01          |               |
| 1908 2000  | MAN          | D2840 LF01/04/06                    | 51.06500.6426 |
|            | MAN          | D2865 LF21-24                       |               |
|            | MAN          | D2865 LOH01/02/05/07-10             |               |
|            | MAN          | D2865 LUH/02/03/05-09               |               |
|            | MAN          | D2866 LF20-25/29-31/34/35/38-40/45  |               |
|            | MAN          | D2866 LFG/LXFG                      |               |
|            | MAN          | D2866 LFG03/04/05/07                |               |
|            | MAN          | D2866 LOH20-26/30/31                |               |
|            | MAN          | D2866 LOH27-29/32/33/34/35/37/38    |               |
|            | MAN          | D2866 LUH/20-22/26                  |               |

| Other Products (Continued) |              |                                     |               |
|----------------------------|--------------|-------------------------------------|---------------|
| Water Pump (Continued)     |              |                                     |               |
| UNIQUE No.                 | Engine Brand | ENGINE                              | OEM No.       |
| 1908 2000                  | MAN          | D2866 LUH23/24/25/27-30/34-37/50-52 | 51.06500.6426 |
|                            | MAN          | D2876 LF01-03/06/08-10/14/17        |               |
|                            | MAN          | D2876 LFG01                         |               |
|                            | MAN          | D2876 LOH01                         |               |
|                            | MAN          | D2876 LOH02-05                      |               |
|                            | MAN          | D2876 LOH20/21                      |               |
|                            | MAN          | D2876 LUH01/02/03                   |               |
|                            | MAN          | E2866 DUH01/02/03/04                |               |
|                            | MAN          | E2866 LUH01/02                      |               |
|                            | MAN          | E2876 LUH01/02                      |               |
|                            | MAN          | G2866 UH/UM/DUH01-05/DUM01          |               |
|                            | MAN          | G2876 DUH01/02                      |               |
| 1908 2300                  | MAN          | D2865 LF/LFR/LXF/LXFR/LF01          | 51.06500.6492 |
|                            | MAN          | D2865 LFR01                         |               |
|                            | MAN          | D2865 LF21-24                       |               |
|                            | MAN          | D2865 LOH01/02/05/07-10             |               |
|                            | MAN          | D2865 LU01-06                       |               |
|                            | MAN          | D2865 LUH/02/03/05-09               |               |
|                            | MAN          | D2866 KH/KFZ/KOH                    |               |
|                            | MAN          | D2866 LF/LXF                        |               |
|                            | MAN          | D2866 LF02-10/14-17                 |               |
|                            | MAN          | D2866 LF20-25/29-31/34/35/38-40/45  |               |
|                            | MAN          | D2866 LFG/LXFG                      |               |
|                            | MAN          | D2866 LFG03/04/05/07                |               |
|                            | MAN          | D2866 LOH20-26/30/31                |               |
|                            | MAN          | D2866 LU/LUL/LXU/LU01/03/04/07/08   |               |
|                            | MAN          | D2866 LUH/20-22/26                  |               |
|                            | MAN          | D2876 LF01-03/06/08-10/14/17        |               |
|                            | MAN          | D2876 LOH01                         |               |
|                            | MAN          | D2876 LOH02-05                      |               |
| 1908 2301                  | MAN          | D2865 LF/LFR/LXF/LXFR/LF01          | 51.06500.6479 |
|                            | MAN          | D2865 LFR01                         |               |
|                            | MAN          | D2865 LOH01/02/05/07-10             |               |
|                            | MAN          | D2865 LU01-06                       |               |
|                            | MAN          | D2865 LUH/02/03/05-09               |               |
|                            | MAN          | D2866 KU/KUL                        |               |
|                            | MAN          | D2866 LF02-10/14-17                 |               |
|                            | MAN          | D2866 LF20-25/29-31/34/35/38-40/45  |               |
|                            | MAN          | D2866 LFG/LXFG                      |               |
|                            | MAN          | D2866 LFG03/04/05/07                |               |
|                            | MAN          | D2866 LOH/LXOH/LOH02/03/06/07/09    |               |
|                            | MAN          | D2866 LOH20-26/30/31                |               |
|                            | MAN          | D2866 LU/LUL/LXU/LU01/03/04/07/08   |               |
|                            | MAN          | D2866 UH/UM/UM01                    |               |
|                            | MAN          | D2876 LOH01                         |               |
|                            | MAN          | D2876 LOH02-05                      |               |
|                            | MAN          | E2866 DUH01/02/03/04                |               |
|                            | MAN          | G2866 UH/UM/DUH01-05/DUM01          |               |
|                            | MAN          | H2876 UH01                          |               |

## Other Products (Continued)

| Water Pump (Continued) |               |                                       |                                |
|------------------------|---------------|---------------------------------------|--------------------------------|
| UNIQUE No.             | Engine Brand  | ENGINE                                | OEM No.                        |
| 1908 2302              | MAN           | D2865 LF/LFR/LXF/LXFR/LF01            | 51.06500.6547<br>51.06500.6545 |
|                        | MAN           | D2865 LFR01                           |                                |
|                        | MAN           | D2865 LF21-24                         |                                |
|                        | MAN           | D2866 LF/LXF                          |                                |
|                        | MAN           | D2866 LF02-10/14-17                   |                                |
|                        | MAN           | D2866 LF20-25/29-31/34/35/38-40/45    |                                |
|                        | MAN           | D2876 LF01-03/06/08-10/14/17          |                                |
| 1908 2303              | MAN           | D2865 LF21-24                         | 51.06500.6546                  |
|                        | MAN           | D2866 LF/LXF                          |                                |
|                        | MAN           | D2866 LF02-10/14-17                   |                                |
|                        | MAN           | D2866 LF20-25/29-31/34/35/38-40/45    |                                |
|                        | MAN           | D2876 LF01-03/06/08-10/14/17          |                                |
|                        | MAN           | D2876 LFG01                           |                                |
|                        | MAN           | E2866 DOH01/DF01                      |                                |
| 1908 2304              | MAN           | D2865 LF/LFR/LXF/LXFR/LF01            | 51.06500.6548                  |
|                        | MAN           | D2865 LFR01                           |                                |
|                        | MAN           | D2866 LF/LXF                          |                                |
|                        | MAN           | D2866 LF02-10/14-17                   |                                |
| 1908 2305              | MAN           | D2866 LF20-25/29-31/34/35/38-40/45    | 51.06500.7066<br>51.06500.7037 |
|                        | MAN           | D2866 LF26-28/32//36/37/41/43         |                                |
|                        | MAN           | D2876 LF01-03/06/08-10/14/17          |                                |
|                        | MAN           | D2876 LF04/05/07/11/20-22/24          |                                |
|                        | MAN           | D2876 LF12/13/25                      |                                |
| 1908 0300              | MAN           | D0224 MF                              | 51.06500-6443                  |
|                        | MAN           | D0226 MF/MFO                          |                                |
|                        | MAN           | D0226 MF/MFA                          |                                |
| 1908 0603              | MAN           | D0826 LFL03/06-10                     | 51.06500-6554                  |
|                        | MAN           | D0826 LOH15/17/18/19                  |                                |
|                        | MAN           | D0826 LF15/17/18                      |                                |
|                        | MAN           | D0826 LFG15/16                        |                                |
|                        | MAN           | D0826 LF/LF217/LF01/02/04-09/11/12/13 |                                |
| 1908 0604              | MAN           | D0826 LUH/LUH213/LUH01-06/08/10/12/13 | 51.06500-6480<br>51.06500-6616 |
|                        | MAN           | D2866 LF26-28/32/36/37/41/43          |                                |
|                        | MAN           | D2876 LF04/05/07/22/24                |                                |
| 1908 0800              | MAN           | D0836 LF13/41/43/44                   | 51.06500-7078                  |
|                        | MAN           | D0836 LOH40/41/50                     |                                |
|                        | MAN           | D0836 LFL40/41/44                     |                                |
|                        | MAN           | D0834 LFL40/41/42                     |                                |
|                        | MAN           | D0834 LFL50-55/57                     |                                |
|                        | MAN           | D0836 LFL50-55                        |                                |
|                        | MAN           | D0836 LFL60-65                        |                                |
|                        | MAN           | D0834 LFL60-65                        |                                |
| 2008 0100              | Mercedes-Bens | OM 314                                | 314 200 4201                   |
| 2008 0300              | Mercedes-Bens | OM 352                                | 353 200 3701                   |
|                        | Mercedes-Bens | OM 352 A                              |                                |
| 2008 0301              | Mercedes-Bens | OM 352 /A<br>OM 362 LA                | 353 200 5601                   |
|                        | Mercedes-Bens |                                       | 353 200 3801                   |
|                        | Mercedes-Bens |                                       | 353 200 1701                   |
|                        | Mercedes-Bens |                                       | 353 200 1601                   |
| 2008 0400              | Mercedes-Bens | OM 355                                | 355 200 1304                   |

| Other Products (Continued) |               |                          |                              |
|----------------------------|---------------|--------------------------|------------------------------|
| Water Pump (Continued)     |               |                          |                              |
| UNIQUE No.                 | Engine Brand  | ENGINE                   | OEM No.                      |
| 2008 0401                  | Mercedes-Bens | OM 355 /A                | 355 200 1501                 |
|                            | Mercedes-Bens |                          |                              |
|                            | Mercedes-Bens |                          |                              |
|                            | Mercedes-Bens |                          |                              |
| 2008 0500                  | Mercedes-Bens | OM 360                   | 360 200 4501                 |
| 2008 0700                  | Mercedes-Bens | OM 364 /A/LA             | 364 200 2001                 |
|                            | Mercedes-Bens |                          | 364 200 0901                 |
|                            | Mercedes-Bens |                          | 364 200 0101                 |
| 2008 0800                  | Mercedes-Bens | OM 366 /A/LA             | 366 200 5901                 |
| 2008 0801                  | Mercedes-Bens | OM 366 /A/LA             | 366 200 6001                 |
| 2008 0900                  | Mercedes-Bens | OM 401                   | 403 200 7501                 |
|                            | Mercedes-Bens | OM 402                   |                              |
|                            | Mercedes-Bens | OM 403                   |                              |
|                            | Mercedes-Bens | OM 404                   |                              |
|                            | Mercedes-Bens | OM 421                   |                              |
|                            | Mercedes-Bens | OM 422                   |                              |
|                            | Mercedes-Bens | OM 423                   |                              |
|                            | Mercedes-Bens | OM 424                   |                              |
|                            | Mercedes-Bens | OM 441                   |                              |
|                            | Mercedes-Bens | OM 442                   |                              |
| 2008 0901                  | Mercedes-Bens | OM 401 /A                | 403 200 7001<br>403 200 4901 |
|                            | Mercedes-Bens | OM 402 /A                |                              |
|                            | Mercedes-Bens | OM 403                   |                              |
|                            | Mercedes-Bens | OM 404 /A                |                              |
|                            | Mercedes-Bens | OM 407 /A/AH/H/HA/LA     |                              |
| 2008 0902                  | Mercedes-Bens | OM 401 /A/LA             | 403 200 7101<br>403 200 5101 |
|                            | Mercedes-Bens | OM 402 /A/LA             |                              |
|                            | Mercedes-Bens | OM 403                   |                              |
|                            | Mercedes-Bens | OM 404 /A                |                              |
|                            | Mercedes-Bens | OM 407 /A/AH/H/HA/LA     |                              |
|                            | Mercedes-Bens | OM 421 /A/LA             |                              |
|                            | Mercedes-Bens | OM 422 /A/LA             |                              |
|                            | Mercedes-Bens | OM 423 /A/LA             |                              |
|                            | Mercedes-Bens | OM 427 /A/LA/H/HA        |                              |
|                            | Mercedes-Bens | OM 441 A/LA              |                              |
|                            | Mercedes-Bens | OM 442 A/LA              |                              |
|                            | Mercedes-Bens | OM 443 /A/LA             |                              |
|                            | Mercedes-Bens | OM 444 A/LA              |                              |
|                            | Mercedes-Bens | OM 447 /A/H/HA/HLA/HO/LA |                              |
|                            | Mercedes-Bens | OM 449 HLA               |                              |
| 2008 0903                  | Mercedes-Bens | OM 401 /A/LA             | 403 200 7701                 |
|                            | Mercedes-Bens | OM 402 /A/LA             |                              |
|                            | Mercedes-Bens | OM 403                   |                              |
|                            | Mercedes-Bens | OM 407 /A/AH/H/HA/LA     |                              |
|                            | Mercedes-Bens | OM 421 /A/LA             |                              |
|                            | Mercedes-Bens | OM 422 /A/LA             |                              |
|                            | Mercedes-Bens | OM 423 /A/LA             |                              |
|                            | Mercedes-Bens | OM 424 /A/LA             |                              |
|                            | Mercedes-Bens | OM 427 /A/LA/H/HA        |                              |
|                            | Mercedes-Bens | OM 441 A/LA              |                              |
|                            | Mercedes-Bens | OM 442 A/LA              |                              |
|                            | Mercedes-Bens | OM 443 /A/LA             |                              |
|                            | Mercedes-Bens | OM 444 A/LA              |                              |
|                            | Mercedes-Bens | OM 447 /A/H/HA/HLA/HO/LA |                              |

## Other Products (Continued)

### Water Pump (Continued)

| UNIQUE No. | Engine Brand  | ENGINE                 | OEM No.                      |
|------------|---------------|------------------------|------------------------------|
| 2008 0904  | Mercedes-Bens | OM 401 /A              | 422 200 1101                 |
|            | Mercedes-Bens | OM 402 /A              |                              |
|            | Mercedes-Bens | OM 403                 |                              |
|            | Mercedes-Bens | OM 407 /H/A/LA/HA/AH   |                              |
|            | Mercedes-Bens | OM 421 /A/LA           |                              |
|            | Mercedes-Bens | OM 422 /A/LA           |                              |
|            | Mercedes-Bens | OM 423 /A/LA           |                              |
|            | Mercedes-Bens | OM 424 /A/LA           |                              |
|            | Mercedes-Bens | OM 427 A/H/HA/LA       |                              |
|            | Mercedes-Bens | OM 441 A/LA            |                              |
|            | Mercedes-Bens | OM 442 A/LA            |                              |
|            | Mercedes-Bens | OM 443                 |                              |
|            | Mercedes-Bens | OM 444                 |                              |
|            | Mercedes-Bens | OM 447 A/H/HA/LA       |                              |
|            | Mercedes-Bens | OM 423                 |                              |
| 2008 1500  | Mercedes-Bens | OM 443 A               | 403 200 7401                 |
|            | Mercedes-Bens | OM 447 A               |                              |
|            | Mercedes-Bens | OM 447 A               |                              |
| 2008 1501  | Mercedes-Bens | OM 423 LA              | 422 200 1401                 |
|            | Mercedes-Bens | OM 443 LA              |                              |
| 2008 1502  | Mercedes-Bens | OM 423 LA              | 422 200 1001<br>422 200 0501 |
|            | Mercedes-Bens | OM 443 LA              |                              |
|            | Mercedes-Bens | OM 444 A/LA            |                              |
| 2008 1600  | Mercedes-Bens | OM 441                 | 441 200 0201                 |
|            | Mercedes-Bens | OM 442                 |                              |
| 2008 1601  | Mercedes-Bens | OM 441                 | 441 200 0301                 |
|            | Mercedes-Bens | OM 442                 |                              |
| 2008 1700  | Mercedes-Bens | OM 442                 | 422 200 1201                 |
|            | Mercedes-Bens | OM 447                 |                              |
| 2008 2001  | Mercedes-Bens | OM 447 A/LA            | 457 200 0101                 |
|            | Mercedes-Bens | OM 449 A/LA            |                              |
|            | Mercedes-Bens | OM 457 LA              |                              |
| 2008 2001  | Mercedes-Bens | M 447 HLAG             | 457 200 2401<br>457 200 1001 |
|            | Mercedes-Bens | OM 457 HLA/LA          |                              |
|            | Mercedes-Bens | OM 460 LA              |                              |
| 2008 2201  | Mercedes-Bens | OM 457 LA/HLA          | 457 200 2901                 |
|            | Mercedes-Bens | OM 458                 |                              |
| 2008 2202  | Mercedes-Bens | OM 457 LA/HLA          | 460 200 3001                 |
|            | Mercedes-Bens | OM 460 LA              |                              |
| 2008 2203  | Mercedes-Bens | OM 457 LA              | 460 200 0001                 |
|            | Mercedes-Bens | OM 460 LA              |                              |
| 2008 2201  | Mercedes-Bens | OM 457 HLA/LA          | 457 200 2501                 |
|            | Mercedes-Bens |                        | 457 200 0501                 |
| 2008 2701  | Mercedes-Bens | OM 501 LA<br>OM 502 LA | 541 200 1401                 |
|            | Mercedes-Bens |                        | 541 200 1201                 |
|            | Mercedes-Bens |                        | 541 200 1101                 |
|            | Mercedes-Bens |                        | 541 200 0101                 |
| 2008 2702  | Mercedes-Bens | OM 501 LA<br>OM 502 LA | 542 200 2301                 |
|            | Mercedes-Bens |                        | 542 200 1901                 |
|            | Mercedes-Bens |                        | 542 200 1501                 |
|            | Mercedes-Bens |                        |                              |
| 2008 2703  | Mercedes-Bens | OM 501 LA              | 542 200 2101                 |
|            | Mercedes-Bens | OM 502 LA              |                              |
| 2008 2704  | Mercedes-Bens | OM 501 LA              | 542 200 2201                 |
|            | Mercedes-Bens | OM 502 LA              | 542 200 1801                 |

| Other Products (Continued) |               |                                                     |              |
|----------------------------|---------------|-----------------------------------------------------|--------------|
| Water Pump (Continued)     |               |                                                     |              |
| UNIQUE No.                 | Engine Brand  | ENGINE                                              | OEM No.      |
| 2008 2705                  | Mercedes-Bens | OM 501 LA<br>OM 502 LA                              | 542 200 2401 |
|                            | Mercedes-Bens |                                                     | 542 200 2001 |
|                            | Mercedes-Bens |                                                     | 542 200 1601 |
|                            | Mercedes-Bens |                                                     | 542 200 0601 |
| 2008 3901                  | Mercedes-Bens | OM 904 LA<br>OM906 HLA/LA<br>OM 924 LA<br>OM 926 LA | 904 200 4901 |
|                            | Mercedes-Bens |                                                     | 904 200 2601 |
|                            | Mercedes-Bens |                                                     | 904 200 2001 |
|                            | Mercedes-Bens |                                                     | 904 200 0801 |
|                            | Mercedes-Bens |                                                     | 904 200 0401 |
| 2008 3902                  | Mercedes-Bens | OM 904 LA<br>OM906 HLA/LA<br>OM 924 LA<br>OM 926 LA | 906 200 6101 |
|                            | Mercedes-Bens |                                                     | 906 200 5401 |
|                            | Mercedes-Bens |                                                     | 906 200 2901 |
|                            | Mercedes-Bens |                                                     | 906 200 2201 |
|                            | Mercedes-Bens |                                                     | 906 200 1401 |
| 2008 3903                  | Mercedes-Bens | OM 904 LA                                           | 904 200 5101 |
|                            | Mercedes-Bens | OM 906 LA                                           |              |
|                            | Mercedes-Bens | OM 924 LA                                           |              |
| 2008 3904                  | Mercedes-Bens | OM 904 LA                                           | 904 200 5001 |
|                            | Mercedes-Bens | OM 906 LA                                           |              |
|                            | Mercedes-Bens | OM 924 LA                                           |              |
| 2008 3905                  | Mercedes-Bens | OM 904 LA                                           | 906 200 6201 |
|                            | Mercedes-Bens | OM 906 LA                                           |              |
|                            | Mercedes-Bens | OM 924 LA                                           |              |
|                            | Mercedes-Bens | OM 926 LA                                           |              |
| 2008 4000                  | Mercedes-Bens | OM 906 HLA                                          | 906 200 6001 |
| 1708 0400                  | Scania        | CG/CP/CR/CT93                                       | 1377571      |
|                            | Scania        | F/K93                                               |              |
| 1708 0500                  | Scania        | CP/CR/CT113                                         | 1354103      |
|                            | Scania        | GR/GRS 900R                                         |              |
|                            | Scania        | CP113                                               |              |
|                            | Scania        | GA850                                               |              |
|                            | Scania        | ALLISON HD 4060P                                    |              |
|                            | Scania        | K113                                                |              |
|                            | Scania        | GR801R                                              |              |
|                            | Scania        | ZFHP                                                |              |
| 1708 0600                  | Scania        | CR/CT 143                                           | 320592       |
| 1708 0601                  | Scania        | CR/CT 143                                           | 1375839      |
| 1708 0900                  | Scania        | DC 9.01/02/03/04/05/06<br>DSC 9                     | 1510490      |
|                            | Scania        |                                                     | 1486098      |
|                            | Scania        |                                                     | 1380897      |
|                            | Scania        |                                                     | 571157       |
|                            | Scania        |                                                     | 570957       |
|                            | Scania        |                                                     | 570953       |
| 1708 0901                  | Scania        | D9 PDE                                              | 1789522      |
|                            | Scania        | D11                                                 |              |
|                            | Scania        | D12                                                 |              |
|                            | Scania        | DC9 19/20/21                                        |              |
|                            | Scania        | D11/12                                              |              |
|                            | Scania        | DC12 MOXY                                           |              |
|                            | Scania        | DC12 57A                                            |              |
|                            | Scania        | SG9 A 280                                           |              |
|                            | Scania        | DC9 A EMS                                           |              |
| 1708 1300                  | Scania        | DS/C 11                                             | 1314406      |
|                            | Scania        |                                                     | 292761       |
|                            | Scania        |                                                     | 575100       |
|                            | Scania        |                                                     | 571059       |

## Other Products (Continued)

| Water Pump (Continued) |              |                |                    |
|------------------------|--------------|----------------|--------------------|
| UNIQUE No.             | Engine Brand | ENGINE         | OEM No.            |
| 1708 1301              | Scania       | D/DS 11        | 259065<br>571055   |
|                        | Scania       |                |                    |
|                        | Scania       |                |                    |
| 1708 1800              | Scania       | DSC 12         | 1353072<br>1508533 |
|                        | Scania       |                |                    |
| 1708 1900              | Scania       | D14            | 1508534            |
| 1808 0100              | VOLVO        | D 6            | 20575653           |
|                        | VOLVO        | D 7 A          |                    |
|                        | VOLVO        | D 7 B          |                    |
|                        | VOLVO        | TD 61          |                    |
|                        | VOLVO        | TD 63          |                    |
|                        | VOLVO        | TD 71          |                    |
|                        | VOLVO        | TD 73          |                    |
| 1808 0300              | VOLVO        | D 9            | 20744939           |
|                        | VOLVO        | D 13           |                    |
|                        | VOLVO        | D 16           |                    |
| 1808 0301              | VOLVO        | D 9            | 3161436            |
| 1808 0302              | VOLVO        | D 9 A          | 20411880           |
|                        | VOLVO        | D 9 B          |                    |
| 1808 0400              | VOLVO        | D 10 A         | 20431486           |
| 1808 0500              | VOLVO        | D 12 A         | 8149941            |
| 1808 0501              | VOLVO        | D 12 B         | 8149882            |
| 1808 0502              | VOLVO        | D 12 C         | 20734268           |
| 1808 0700              | VOLVO        | D 16 A         | 8149980            |
| 1808 0900              | VOLVO        | DH 12          | 20879114           |
| 1808 1800              | VOLVO        | HD 100A        | 1699781            |
|                        | VOLVO        | THD 100AD      |                    |
|                        | VOLVO        | THD 100AD      |                    |
|                        | VOLVO        | THD 101        |                    |
| 1808 1801              | VOLVO        | THD 101G/K     | 425524             |
| 1808 1802              | VOLVO        | THD 101KE      | 425522             |
|                        | VOLVO        | THD 102K       |                    |
|                        | VOLVO        | THD 103K       |                    |
|                        | VOLVO        | THD 104K       |                    |
| 1808 1803              | VOLVO        | THD 102 KB     | 425521             |
|                        | VOLVO        | THD 102 KD     |                    |
|                        | VOLVO        | THD 102 KK     |                    |
|                        | VOLVO        | THD 103 KB     |                    |
|                        | VOLVO        | THD 103 KF     |                    |
| 1808 1900              | VOLVO        | D60            | 465242             |
|                        | VOLVO        | TD 60 A/B/C    |                    |
| 1808 1901              | VOLVO        | TD 60 A/B      | 1699783            |
| 1808 2200              | VOLVO        | TD 70A/B/D/E   | 1699784            |
|                        | VOLVO        | TD 70F/G       |                    |
| 1808 2600              | VOLVO        | TD 100 A/B     | 1699785            |
|                        | VOLVO        | TD 100 BG      |                    |
|                        | VOLVO        | TD 100 GA      |                    |
|                        | VOLVO        | TD 101G/GA     |                    |
|                        | VOLVO        | TD 102/103     |                    |
| 1808 2601              | VOLVO        | TD 100 B/G     | 1699788            |
|                        | VOLVO        | TD 101 G       |                    |
| 1808 2602              | VOLVO        | TD 100A        | 1699789            |
|                        | VOLVO        | TD 101 USA     |                    |
| 1808 2700              | VOLVO        | TD 101/102/103 | 20431484           |
|                        | VOLVO        | TD 121/122/123 |                    |





## Other Products (Continued)

| Oil Pump   |               |                 |                           |
|------------|---------------|-----------------|---------------------------|
| UNIQUE No. | Engine Brand  | Engine Type     | Part No.                  |
| 2209 1100  | CATERPILLAR   | 3306            | 4W2448                    |
| 2109 0100  | CUMMINS       | 4BT             | 3926202                   |
| 2109 0101  | CUMMINS       | 4B, ISBe 4.5L   | 4939585/4939586           |
| 2109 0200  | CUMMINS       | 6BT             | 3926203                   |
| 2109 0201  | CUMMINS       | 6BT, ISBe 6.7L  | 4939587                   |
| 2109 0202  | CUMMINS       | 6BT, ISBe 6.7L  | 4939588                   |
| 2109 0300  | CUMMINS       | 6CT             | 3415365                   |
| 2109 0301  | CUMMINS       | 6CT (230)       | 3966840                   |
| 2109 0302  | CUMMINS       | 6CT (240)       | 3930338                   |
| 2109 0303  | CUMMINS       | 6CT             | 3948071                   |
| 2109 0304  | CUMMINS       | 6CT             | 4941464                   |
| 2109 1100  | CUMMINS       | ISCe            | 3948072                   |
| 2109 1700  | CUMMINS       | K19             | 3047549                   |
| 2109 2100  | CUMMINS       | L10/M11         | 4003950                   |
| 2109 2600  | CUMMINS       | NT855           | 3042378                   |
| 2109 2601  | CUMMINS       | NT855           | 3821579                   |
| 2109 2602  | CUMMINS       | NT855           | 3609833                   |
| 1109 0100  | DEUTZ         | 226B            | 6.226.0.730.002.6         |
| 1109 0200  | DEUTZ         | B/FL413F/W      | 4143644                   |
| 1109 0204  | DEUTZ         | F4L413FR        | 2199960                   |
| 1109 0206  | DEUTZ         | BF6L413F        | 4143504/4143507           |
| 1109 0210  | DEUTZ         | BF10L413F       | 4143645                   |
| 1109 0212  | DEUTZ         | F12L413F        | 4143770                   |
| 1109 0302  | DEUTZ         | F2L511          | OP4511                    |
| 1109 0500  | DEUTZ         | 912D            | 4230651                   |
| 1109 0501  | DEUTZ         | 912D            | 4231309                   |
| 1109 0503  | DEUTZ         | F3/4L912/W      | 2130440                   |
| 1109 0506  | DEUTZ         | F4L913/F6L912/W | 2130385                   |
| 1109 0606  | DEUTZ         | BF6L913         | 2237923                   |
| 1109 1004  | DEUTZ         | BF4M1013FC      | 1011015-30D               |
| 1109 1006  | DEUTZ         | BF6M1013FC      | 04259226KZ                |
| 1109 1304  | DEUTZ         | BF4M2012        | 1011015-65D               |
| 1109 1306  | DEUTZ         | BF6M2012        | 1011015-56D               |
| 1909 2400  | MAN           | D2866           | 51 05100 6134             |
| 2009 1100  | MERCEDES BENZ | OM403           | 4031802701                |
| 2009 1500  | MERCEDES BENZ | OM423           | 423 180 2301              |
| 2009 0300  | MERCEDES BENZ | OM352           | 352 180 7001              |
| 2009 0400  | MERCEDES BENZ | OM355           | 345 180 7401              |
| 2009 0401  | MERCEDES BENZ | OM352-2         | 3521812201                |
| 2009 0600  | MERCEDES BENZ | OM364           | 364 180 0101/364 181 0001 |
| 2009 0800  | MERCEDES BENZ | OM366           | 366 180 0401              |
| 3409 2700  | PERKINS       | 4.4             | T4132F051                 |
| 3409 1900  | PERKINS       | F056            | T4132F056                 |
| 3409 1400  | PERKINS       | 110Ti           | T4132F056B                |
| 3409 2000  | PERKINS       | F057            | T4132F057                 |
| 3409 0100  | PERKINS       | 3.152           | 41314182                  |
| 3409 0101  | PERKINS       | 3.152           | PC1082                    |



## Other Products (Continued)

### Valve

| UNIQUE NO. | Engine Brand | Engine Type            | IN EX | Part No.                                      | D (mm) | d (mm) | L (mm) | Seat Angle | Groove | Material (Head) | Material (Stem) |
|------------|--------------|------------------------|-------|-----------------------------------------------|--------|--------|--------|------------|--------|-----------------|-----------------|
| 2219 0100  | CATERPILLAR  | 3004                   | EX    | 8N0875                                        | 48.16  | 9.50   | 138.87 | 30         | 2G     | 21-4N           | 4Cr9Si2         |
| 2219 0400  | CATERPILLAR  | 3116                   | IN    | 7W8064/6I1590                                 | 47.00  | 8.00   | 177.20 | 45         | 1G     | 4Cr9Si2         | 4Cr9Si2         |
| 2219 0401  | CATERPILLAR  | 3116                   | EX    | 1360819/6I1589<br>7W2699                      | 40.00  | 8.00   | 176.81 | 45         | 1G     | 23-8N           | 40Cr            |
| 2219 0800  | CATERPILLAR  | CAT. 3208T             | EX    | 9N5125                                        |        |        |        |            |        | 21-4N           | 40Cr            |
| 2219 1000  | CATERPILLAR  | 3304NT/3306<br>6DC/D4D | IN    | 5S6452                                        | 51.31  | 9.50   | 139.95 | 30         | 2G     | 4Cr9Si2         | 4Cr9Si2         |
| 2219 1001  | CATERPILLAR  | 3304NT/3306<br>6DC/D4D | EX    | 5S6449                                        |        |        |        |            |        | 21-4N           | 4Cr9Si2         |
| 2219 1100  | CATERPILLAR  | 3306                   | IN    | 6N9915                                        | 51.31  | 9.50   | 136.38 | 45         | 2G     | 4Cr9Si3         | 4Cr9Si3         |
| 2219 1101  | CATERPILLAR  | 3306                   | EX    | 6N9916                                        | 48.16  | 9.50   | 134.78 | 45         | 2G     | 21-4N           | 4Cr9Si2         |
| 2219 1200  | CATERPILLAR  | 3406                   | IN    | 2W2622/1152368                                | 45.00  | 9.50   | 181.33 | 30         | 2G     | 21-12N          | 40Cr            |
| 2219 1201  | CATERPILLAR  | 3406                   | EX    | 1W3860                                        | 41.81  | 9.50   | 181.35 | 45         | 2G     | 21-4N           | 40Cr            |
| 2219 2700  | CATERPILLAR  | 342 EARLY              | IN    | 8H1993                                        | 59.50  | 12.60  | 236.10 | 45         |        | 21-4N           | 4Cr9Si2         |
| 2219 2800  | CATERPILLAR  | 343 EARLY              | EX    | 8H1994                                        | 58.00  | 12.60  | 235.30 | 45         |        | 21-4N           | 4Cr9Si2         |
| 2219 2801  | CATERPILLAR  | 343                    | IN    | 1N4885                                        |        |        |        |            |        | 21-4N           | 4Cr9Si2         |
| 2219 3100  | CATERPILLAR  | D353 Early             | EX    | 8N3723                                        |        |        |        |            |        | 21-4N           | 4Cr9Si2         |
| 2219 3101  | CATERPILLAR  | D353 LATE              | EX    | 1W1822                                        |        |        |        |            |        | 21-4N           | 40Cr            |
| 2119 0100  | CUMMINS      | 4/6BT                  | IN    | 3802355/3802005<br>3920867/3901117            | 45.00  | 8.00   | 129.13 | 30         |        | 4Cr9Si2         | 4Cr9Si2         |
| 2119 0101  | CUMMINS      | 4/6BT                  | EX    | 3802356/3920868<br>3901607/3901608            | 42.00  | 8.00   | 129.05 | 45         |        | 21-4N           | 4Cr9Si2         |
| 2119 0200  | CUMMINS      | 6BT                    | IN    |                                               |        |        |        |            |        |                 |                 |
| 2119 0201  | CUMMINS      | 6BT                    | EX    |                                               |        |        |        |            |        |                 |                 |
| 2119 0300  | CUMMINS      | 6CT                    | IN    | 3902253/3915506<br>3924492/3802463            | 52.00  | 9.50   | 151.03 | 30         | 1G     | 4Cr9Si2         | 4Cr9Si2         |
| 2119 0301  | CUMMINS      | 6CT                    | EX    | 3902254/3921444<br>3802085                    | 46.00  | 9.50   | 150.92 | 45         | 1G     | 21-4N           | 40Cr            |
| 2119 1000  | CUMMINS      | ISBE                   | IN    |                                               |        |        |        |            |        |                 |                 |
| 2119 1001  | CUMMINS      | ISBE                   | EX    |                                               |        |        |        |            |        |                 |                 |
| 2119 1700  | CUMMINS      | K19                    | IN    | 207241                                        | 56.25  | 12.60  | 191.77 | 30         | 1G     | 4Cr10Si2Mo      | 4Cr10Si2Mo      |
| 2119 1701  | CUMMINS      | K19                    | EX    | 3035110                                       | 56.39  | 12.60  | 191.77 | 30         | 1G     | 21-12N          | 4Cr10Si2M       |
| 2119 2100  | CUMMINS      | L10/M11                | IN    | 3417778/3800636<br>3080975                    | 42.50  | 0.00   | 195.45 | 30         | 1G     | 4Cr9Si2         | 4Cr9Si2         |
| 2119 2101  | CUMMINS      | L10/M11                | EX    | 3417779/3800637<br>3080976/3417715            | 42.50  | 9.70   | 195.45 | 30         | 1G     | 23-8N           | 40Cr            |
| 2119 2102  | CUMMINS      | L10                    | IN    | 3033234/3801356                               |        |        |        | 30         |        |                 |                 |
| 2119 2103  | CUMMINS      | L10                    | EX    | 3818520/3801357<br>3803995/3033235<br>3895477 | 42.50  | 9.60   | 176.28 | 30         | 1G     | 23-8N           | 40Cr            |
| 2119 2300  | CUMMINS      | M11                    | IN    | 3418020                                       |        |        |        |            |        |                 |                 |
| 2119 2301  | CUMMINS      | M11                    | EX    | 3418021                                       |        |        |        |            |        |                 |                 |
| 2119 2400  | CUMMINS      | N14                    | IN    | 3084045/3803854<br>3078395                    | 47.50  | 9.60   | 196.24 | 30         | 1G     | 4Cr9Si2         | 4Cr9Si2         |
| 2119 2401  | CUMMINS      | N14                    | EX    | 3078399                                       | 47.50  | 9.70   | 196.24 | 30         | 1G     | 23-8N           | 40Cr            |

## Other Products (Continued)

### Valve (Continued)

| UNIQUE NO. | Engine Brand | Engine Type          | IN EX | Part No.                           | D (mm) | d (mm) | L (mm) | Seat Angle | Groove | Material (Head) | Material (Stem) |
|------------|--------------|----------------------|-------|------------------------------------|--------|--------|--------|------------|--------|-----------------|-----------------|
| 2119 2402  | CUMMINS      | N14                  | IN    | 3068519/3803360                    | 47.50  | 9.70   | 196.24 | 30         | 1G     | 4Cr9Si2         | 4Cr9Si2         |
| 2119 2403  | CUMMINS      | N14                  | EX    | 3084980/3083991<br>3804555/3800891 | 47.50  | 9.70   | 196.24 | 45         | 1G     | 23-8N           | 40Cr            |
| 2119 2500  | CUMMINS      | H-NH743<br>NH-220    | IN    | 150288                             |        |        |        |            |        | 4CR9Si2         | 4CR9Si2         |
| 2119 2501  | CUMMINS      | H-NH743<br>NH-220    | EX    | 144911                             |        |        |        |            |        | 4CR9Si2         | 4CR9Si2         |
| 2119 2600  | CUMMINS      | NT855                | EX    | 145701                             | 47.50  | 11.50  | 179.40 | 30         |        | 21-4N           | 4Cr9Si2         |
| 2119 2601  | CUMMINS      | NT855                | EX    | 3040830                            | 47.50  | 11.50  | 179.42 | 30         | 2G     | 23-8N           | 4Cr9Si2         |
| 2119 2602  | CUMMINS      | NT855                | EX    | 145701                             | 47.50  | 11.50  | 179.40 | 30         |        | 21-4N           | 40Cr            |
| 2119 2900  | CUMMINS      | V-504 V-555<br>V-378 | EX    | 3275356                            | 40.70  | 9.60   | 141.40 | 30         |        | 21-4N           | 40Cr            |
| 1119 0302  | DEUTZ        | F2L511               | IN    |                                    |        |        |        |            |        |                 |                 |
| 1119 0302  | DEUTZ        | F2L511               | EX    |                                    |        |        |        |            |        |                 |                 |
| 1119 0500  | DEUTZ        | FL912                | IN    | 2137457/4153629                    |        |        |        |            |        |                 |                 |
| 1119 0500  | DEUTZ        | FL912                | EX    | 2232717                            | 37.00  | 8.00   | 133.00 | 45         |        | 21-4N           | 40Cr            |
| 1119 0600  | DEUTZ        | FL913                | IN    |                                    |        |        |        |            |        |                 |                 |
| 1119 0600  | DEUTZ        | FL913                | EX    |                                    |        |        |        |            |        |                 |                 |
| 1119 0606  | DEUTZ        | BF6L913              | IN    | 4153631/4159136<br>2236960/2137301 |        |        |        |            |        |                 |                 |
| 1119 0606  | DEUTZ        | BF6L913              | EX    | 4153697/4159139<br>2237221/2137300 |        |        |        |            |        |                 |                 |
| 1119 0800  | DEUTZ        | FL1011               | IN    |                                    | 40.10  | 8.00   | 124.70 | 45         | 3G     | 4Cr9Si2         | 4Cr9Si2         |
| 1119 0800  | DEUTZ        | FL1011               | EX    |                                    | 34.90  | 8.00   | 124.70 | 45         | 3G     | 21-4N           | 4Cr9Si2         |
| 1219 0100  | IVECO        | 2.5L/2.8L            | IN    | 7301820/4826033                    | 40.87  | 8.00   | 120.75 | 45         | 1G     | 21-4N           | 4Cr9Si2         |
| 1219 0101  | IVECO        | Sofim 2.5L           | EX    | 7301821/4826033                    |        |        |        |            |        |                 |                 |
| 1219 0201  | IVECO        | Sofim 2.8L           | EX    | 99432837                           | 35.90  | 8.00   | 121.95 | 45         | 1G     | 21-4N           | 4Cr9Si2         |
| 2019 0100  | MB           | OM314                | IN    | 3520500126                         |        |        |        |            |        | 21-4NWNb        | 4Cr9Si2         |
| 2019 0101  | MB           | OM314                | EX    | 366050527                          |        |        |        |            |        | 21-4NWNb        | 4Cr9Si2         |
| 2019 0300  | MB           | OM352                | IN    |                                    | 44.10  | 9.00   | 140.46 | 45         |        | 4Cr9Si2         | 4Cr9Si2         |
| 2019 0301  | MB           | OM352                | EX    |                                    | 36.00  | 10.00  | 140.60 | 45         |        | 21-4N           | 4Cr9Si2         |
| 2019 0400  | MB           | OM355                | IN    | 355 053 0001                       | 42.00  | 9.00   | 130.50 | 45         | 1G     | 4Cr9Si2         | 4Cr9Si2         |
| 2019 0401  | MB           | OM355                | EX    | 355 053 0005                       |        |        |        |            |        |                 |                 |
| 2019 0402  | MB           | OM355                | IN    | 3350530101                         |        |        |        |            |        | 4Cr9Si2         | 4Cr9Si2         |
| 2019 0403  | MB           | OM355                | EX    | 3350530005                         |        |        |        |            |        | 21-4N           | 4Cr9Si2         |
| 2019 0404  | MB           | OM355A               | IN    |                                    | 42.00  | 9.00   | 130.70 | 30         |        | 4Cr9Si2         | 4Cr9Si2         |
| 2019 0405  | MB           | OM355A               | EX    |                                    | 37.00  | 9.00   | 165.80 | 30         |        | 21-4N           | 4Cr9Si2         |
| 2019 0406  | MB           | OM355A               | IN    | 346 053 0001                       | 42.00  | 9.00   | 129.80 | 45         | 1G     | 4Cr9Si2         | 4Cr9Si2         |
| 2019 0407  | MB           | OM355A               | EX    | 355 050 0127                       |        |        |        |            |        |                 |                 |
| 2019 0900  | MB           | OM401                | IN    | 4230500026                         | 58.90  | 12.00  | 142.50 |            |        | 4Cr9Si2         | 4Cr9Si2         |
| 2019 0901  | MB           | OM401                | EX    | 4230500427<br>4230501427           | 51.00  | 12.00  | 142.50 |            |        | 21-4N           | 4Cr9Si2         |
| 2019 0902  | MB           | OM401                |       | 13017                              | 34.60  | 8.70   | 126.01 | 45         | 1G     | 21-4N           | 21-4N           |
| 2019 0903  | MB           | OM401                |       | 13018                              | 41.98  | 8.70   | 136.58 | 30         | 1G     | 4Cr9Si2         | 4Cr9Si2         |
| 2019 1300  | MB           | OM421                | IN    | 4230500026                         |        |        |        |            |        |                 |                 |
| 2019 1301  | MB           | OM421                | EX    | 4230500427                         |        |        |        |            |        |                 |                 |
| 2019 1302  | MB           | OM421/2              |       | 33469                              | 58.90  | 12.00  | 142.50 | 30         | 1G     | 21-4N           | 4Cr9Si2         |
| 2019 1303  | MB           | OM421                |       | 33470                              | 51.00  | 12.00  | 142.50 | 45         | 1G     | 21-4N           | 4Cr9Si2         |
| 2019 1400  | MB           | OM422                |       | 31635                              | 51.00  | 12.00  | 142.50 | 45         | 1G     | 21-4N           | 4Cr9Si2         |
| 2019 2200  | MB           | OM457                | IN    | 4570530001                         |        |        |        |            |        | 4Cr9Si2         | 4Cr9Si2         |
| 2019 2201  | MB           | OM457                | EX    | 5410500227                         |        |        |        |            |        | 21-4NWNb        | 4Cr9Si2         |

## Other Products (Continued)

### Valve (Continued)

| UNIQUE    | Engine Brand | Engine Type | IN | Part No. | D     | d     | L      | Seat | Groove | Material | Material |
|-----------|--------------|-------------|----|----------|-------|-------|--------|------|--------|----------|----------|
| 2019 2700 | MB           | OM501/502LA | IN |          |       |       |        |      |        |          |          |
| 2019 2701 | MB           | OM501/502LA | EX |          |       |       |        |      |        |          |          |
| 2019 3500 | MB           | OM616       | IN | V256161  | 36.65 | 10.00 | 131.40 | 30   | 3G     | 4Cr9Si2  | 4Cr9Si2  |
| 2019 3501 | MB           | OM616       | EX | V256162  | 34.20 | 10.00 | 131.00 | 30   | 3G     | 21-4N    | 4Cr9Si2  |
| 3419 1000 | PERKINS      | 1004        | IN | 3142L071 | 45.00 | 9.50  | 122.91 | 45   | 1G     | 21-4N    | 40Cr     |
| 3419 0400 | PERKINS      | 4.236       | IN | 31431641 | 44.30 | 9.50  | 122.65 | 45   | 1G     | 40CR     | 40Cr     |
| 3419 0401 | PERKINS      | 4.236       | EX | 31431881 |       |       |        |      |        |          |          |
| 3419 1300 | PERKINS      | 4230        | IN | V29911   | 38.96 | 8.00  | 114.26 | 45   | 1G     | 4Cr9Si2  | 4Cr9Si2  |
| 3419 1301 | PERKINS      | 4230        | EX | V29912   | 33.40 | 8.00  | 114.50 | 45   | 1G     | 21-4N    | 21-4N    |
| 3419 1200 | PERKINS      | 1100        |    | 3142L081 |       |       |        |      |        |          |          |
| 3419 1201 | PERKINS      | 1100        |    | 3142D051 |       |       |        |      |        |          |          |
| 1719 1300 | SCANIA       | DS11        | IN | 294674   | 54.00 | 11.00 | 162.40 |      |        | 4Cr9Si2  | 4Cr9Si2  |
| 1719 1301 | SCANIA       | DS11,DN11   | EX | 232018   | 45.00 | 11.00 | 162.60 |      |        | 21-4N    | 4Cr9Si2  |
| 1719 1302 | SCANIA       | DS11/DS111  | IN |          |       |       |        |      |        |          |          |
| 1719 1303 | SCANIA       | DS11        | EX |          |       |       |        |      |        |          |          |
| 1719 1500 | SCANIA       | DS111       | EX |          |       |       |        |      |        |          |          |
| 1819 0500 | VOLVO        | D12         | IN | 1547492  | 39.80 | 8.00  | 192.30 |      |        | 4Cr9Si2  | 4Cr9Si2  |
| 1819 0501 | VOLVO        | D12         | EX | 8148574  | 40.00 | 8.00  | 191.60 |      |        | 21-4N    | 4Cr9Si2  |
| 1819 1200 | VOLVO        | FM9         | IN | 20450002 |       |       |        |      |        |          |          |
| 1819 1201 | VOLVO        | FM9         | EX | 8148069  |       |       |        |      |        |          |          |
| 1819 1900 | VOLVO        | TD60/63     |    | 12126    | 41.00 | 3.00  | 145.30 | 45   | 2G     | 4Cr9Si2  | 4Cr9Si2  |
| 1819 1901 | VOLVO        | TD60/63     |    | 36704    | 37.00 | 8.00  | 145.30 | 45   | 2G     | 21-4N    | 4Cr9Si2  |
| 1819 2200 | VOLVO        | TD70/71     |    | 9453     |       |       |        |      |        |          |          |
| 1819 2400 | VOLVO        | TD73        |    | 32013    | 43.00 | 8.00  | 149.43 | 45   | 2G     | 4Cr9Si2  | 4Cr9Si2  |
| 1819 2600 | VOLVO        | N10,TD100   | IN | 467502-1 | 50.00 | 11.00 | 167.10 |      |        |          | 4Cr9Si2  |
| 1819 2601 | VOLVO        | N10,TD100   | EX | 467855-3 | 46.00 | 11.00 | 167.10 |      |        | 21-4N    | 4Cr9Si2  |
| 1819 2900 | VOLVO        | TD103       |    | 36376    | 50.00 | 11.00 | 167.40 | 45   | 1G     | 4Cr9Si2  | 4Cr9Si2  |
| 1819 3000 | VOLVO        | N12/TD120A  | IN | 468302-5 | 54.00 | 11.00 | 167.20 |      |        | 4Cr9Si2  | 4Cr9Si2  |
| 1819 3001 | VOLVO        | N12/TD120A  | EX | 468303-3 | 50.00 | 11.00 | 167.20 |      |        | 21-4N    | 4Cr9Si2  |
| 1819 3002 | VOLVO        | TD120       |    | 9134     |       |       |        |      |        |          |          |
| 1819 3003 | VOLVO        | TD120       |    | 36328    |       |       |        |      |        |          |          |
| 1819 3300 | VOLVO        | TD162       |    | 33639    | 47.00 | 9.50  | 176.80 | 45   | 1G     | 4Cr9Si2  | 4Cr9Si2  |
| 1819 3301 | VOLVO        | TD162       |    | 36357    | 45.00 | 9.50  | 176.85 | 45   | 1G     | 21-4N    | 4Cr9Si2  |

## Other Products (Continued)

### Power Steering Pump > IVECO

|                                                                                    |                                        |                                                                                   |                                        |
|------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------|
|   | ZF No.:7672 955 253                    |  | ZF No.:7685 900 103                    |
|                                                                                    | Apply to:IVECO                         |                                                                                   | Apply to:IVECO                         |
|                                                                                    | Nominal displacement:15.0ml/r          |                                                                                   | Nominal displacement:17.5ml/r          |
|                                                                                    | Maximum Pressure:120bar                |                                                                                   | Maximum Pressure:100bar                |
|                                                                                    | Highest rotational speed:500-3200r/min |                                                                                   | Highest rotational speed:500-3200r/min |
|                                                                                    | Controlled flow rate: 12.0L/min        |                                                                                   | Controlled flow rate: 16.0L/min        |
|                                                                                    | Fuel feed hole:M26×1.5                 |                                                                                   | Fuel feed hole:Φ23                     |
|                                                                                    | Fuel discharge hole:M18×1.5            |                                                                                   | Fuel discharge hole:M18X1.5            |
|   | ZF No.:7673 955 322                    |  | Direction of rotation:LEFT             |
|                                                                                    | Apply to:IVECO                         |                                                                                   | ZF No.:7674 955 232                    |
|                                                                                    | Nominal displacement:17.5ml/r          |                                                                                   | Apply to:IVECO                         |
|                                                                                    | Maximum Pressure:000                   |                                                                                   | Nominal displacement:21ml/r            |
|                                                                                    | Highest rotational speed:500-3200r/min |                                                                                   | Maximum Pressure:000                   |
|                                                                                    | Controlled flow rate: 18.0L/min        |                                                                                   | Highest rotational speed:500-3200r/min |
|                                                                                    | Fuel feed hole:M26×1.5                 |                                                                                   | Controlled flow rate: 18.0L/min        |
|                                                                                    | Fuel discharge hole:M18×1.5            |                                                                                   | Fuel feed hole:M26×1.5                 |
|  | Direction of rotation:LEFT             |                                                                                   | Fuel discharge hole:M18×1.5            |
|                                                                                    | ZF NO.:7673 955 311                    |                                                                                   | Direction of rotation:RIGHT            |
|                                                                                    | Apply to:IVECO                         |                                                                                   |                                        |
|                                                                                    | Nominal displacement:16ml/r            |                                                                                   |                                        |
|                                                                                    | Maximum Pressure:000                   |                                                                                   |                                        |
|                                                                                    | Highest rotational speed:600-3500r/min |                                                                                   |                                        |
|                                                                                    | Controlled flow rate: 15.0L/min        |                                                                                   |                                        |
|                                                                                    | Fuel feed hole:M26x1.5                 |                                                                                   |                                        |
|                                                                                    | Fuel discharge hole:M18x1.5            |                                                                                   |                                        |
|                                                                                    | Direction of rotation:LEFT             |                                                                                   |                                        |

### Power Steering Pump > MAN

|                                                                                     |                                        |                                                                                     |                                        |
|-------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------|
|  | ZF No.:7685 955 102                    |  | ZF No.:7685 955 180                    |
|                                                                                     | Apply to:MAN                           |                                                                                     | Apply to:MAN                           |
|                                                                                     | Nominal displacement:20.0ml/r          |                                                                                     | Nominal displacement:                  |
|                                                                                     | Maximum Pressure:150bar                |                                                                                     | Maximum Pressure:                      |
|                                                                                     | Highest rotational speed:500-3600r/min |                                                                                     | Highest rotational speed:              |
|                                                                                     | Controlled flow rate: 16.0L/min        |                                                                                     | Controlled flow rate:                  |
|                                                                                     | Fuel feed hole:M26×1.5                 |                                                                                     | Fuel feed hole:                        |
|                                                                                     | Fuel discharge hole:M16×1.5            |                                                                                     | Fuel discharge hole:                   |
|  | Direction of rotation:RIGHT            |  | Direction of rotation:                 |
|                                                                                     | ZF No.:7674 955 519                    |                                                                                     | ZF No.:7685 955 247                    |
|                                                                                     | Apply to:MAN                           |                                                                                     | Apply to:MAN                           |
|                                                                                     | Nominal displacement:20.0ml/r          |                                                                                     | Nominal displacement:21.0ml/r          |
|                                                                                     | Maximum Pressure:150bar                |                                                                                     | Maximum Pressure:150bar                |
|                                                                                     | Highest rotational speed:500-3600r/min |                                                                                     | Highest rotational speed:500-3200r/min |
|                                                                                     | Controlled flow rate: 16.0L/min        |                                                                                     | Controlled flow rate: 16.0L/min        |
|                                                                                     | Fuel feed hole:M26X1.5                 |                                                                                     | Fuel feed hole:M26×1.5                 |
|  | Fuel discharge hole:M16×1.5            |  | Fuel discharge hole:M16×1.5            |
|                                                                                     | Direction of rotation:LEFT             |                                                                                     | Direction of rotation:LEFT             |
|                                                                                     | ZF No.:7685 955 152                    |                                                                                     | Luk No.:542002210                      |
|                                                                                     | Apply to:MAN                           |                                                                                     | Apply to:MAN                           |
|                                                                                     | Nominal displacement:21.0ml/r          |                                                                                     | Nominal displacement:21.0ml/r          |
|                                                                                     | Maximum Pressure:150bar                |                                                                                     | Maximum Pressure:000                   |
|                                                                                     | Highest rotational speed:500-3200r/min |                                                                                     | Highest rotational speed:500-3600r/min |
|                                                                                     | Controlled flow rate: 16.0L/min        |                                                                                     | Controlled flow rate: 17.0L/min        |
|                                                                                     | Fuel feed hole:M26×1.5                 |                                                                                     | Fuel feed hole:M26×1.5                 |
|                                                                                     | Fuel discharge hole:M18×1.5            |                                                                                     | Fuel discharge hole:M16×1.5            |
|                                                                                     | Direction of rotation:RIGHT            |                                                                                     | Direction of rotation:LEFT             |

## Other Products (Continued)

### Power Steering Pump > MAN (Continued)

|                                                                                     |                                        |                                                                                     |                                        |
|-------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------|
|    | Luk No.:ZF 7685 955 184                |    | ZF No.:7685 955 153                    |
|                                                                                     | Apply to:MAN8147101 6182               |                                                                                     | Apply to:MAN                           |
|                                                                                     | Nominal displacement:21.0ml/r          |                                                                                     | Nominal displacement:21.0ml/r          |
|                                                                                     | Maximum Pressure:160bar                |                                                                                     | Maximum Pressure:150bar                |
|                                                                                     | Highest rotational speed:500-3600r/min |                                                                                     | Highest rotational speed:500-3200r/min |
|                                                                                     | Controlled flow rate: 20.0L/min        |                                                                                     | Controlled flow rate: 16.0L/min        |
|                                                                                     | Fuel feed hole:M26×1.5                 |                                                                                     | Fuel feed hole:M26×1.5                 |
|                                                                                     | Fuel discharge hole:M18×1.5            |                                                                                     | Fuel discharge hole:M18×1.5            |
|    | Direction of rotation:RIGHT            |    | Direction of rotation:LEFT             |
|                                                                                     | Luk No.:ZF7674 955 519                 |                                                                                     | Luk No.:542002310                      |
|                                                                                     | Apply to:MAN81.47101.6031              |                                                                                     | Apply to:MAN                           |
|                                                                                     | Nominal displacement:20.0ml/r          |                                                                                     | Nominal displacement:21.0ml/r          |
|                                                                                     | Maximum Pressure:150bar                |                                                                                     | Maximum Pressure:000                   |
|                                                                                     | Highest rotational speed:500-3600r/min |                                                                                     | Highest rotational speed:500-3600r/min |
|                                                                                     | Controlled flow rate: 16.0L/min        |                                                                                     | Controlled flow rate: 17.0L/min        |
|                                                                                     | Fuel feed hole:M26×1.5                 |                                                                                     | Fuel feed hole:M26×1.5                 |
|   | Fuel discharge hole:M16×1.5            |   | Fuel discharge hole:M18×1.5            |
|                                                                                     | Direction of rotation:RIGHT            |                                                                                     | Direction of rotation:LEFT             |
|                                                                                     | ZF No.:7684 955 139                    |                                                                                     | ZF No.:7683 975 900                    |
|                                                                                     | Apply to:BENZ 001 460 4480             |                                                                                     | Apply to:BENZ 23B145157                |
|                                                                                     | Nominal displacement:21ml/r            |                                                                                     | Nominal displacement:15ml/r            |
|                                                                                     | Maximum Pressure:000                   |                                                                                     | Maximum Pressure:000                   |
|                                                                                     | Highest rotational speed:500-3200r/min |                                                                                     | Highest rotational speed:500-3600r/min |
|                                                                                     | Controlled flow rate: 17.0L/min        |                                                                                     | Controlled flow rate: 11.0L/min        |
|  | Fuel feed hole:M26×1.5                 |  | Fuel feed hole:Φ16.5                   |
|                                                                                     | Fuel discharge hole:M16×1.5            |                                                                                     | Fuel discharge hole:Φ10                |
|                                                                                     | Direction of rotation:LEFT             |                                                                                     | Direction of rotation:LEFT             |
|                                                                                     | ZF No.:7684 955 913                    |                                                                                     | ZF No.:7684 955 921                    |
|                                                                                     | Apply to:BENZ 001 460 8480             |                                                                                     | Apply to:BENZ                          |
|                                                                                     | Nominal displacement:                  |                                                                                     | Nominal displacement:17ml/r            |
|                                                                                     | Maximum Pressure:000                   |                                                                                     | Maximum Pressure:000                   |
|                                                                                     | Highest rotational speed:              |                                                                                     | Highest rotational speed:500-3600r/min |
|  | Controlled flow rate:                  |  | Controlled flow rate: 15.0L/min        |
|                                                                                     | Fuel feed hole:                        |                                                                                     | Fuel feed hole:                        |
|                                                                                     | Fuel discharge hole:                   |                                                                                     | Fuel discharge hole:                   |
|                                                                                     | Direction of rotation:LEFT             |                                                                                     | Direction of rotation:LEFT             |

### Power Steering Pump > Mercedes-BENZ

|                                                                                     |                                        |                                                                                     |                                        |
|-------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------|
|   | ZF No.:7684 955 198                    |   | ZF No.:7684 955 121                    |
|                                                                                     | Apply to:BENZ 001 466 4301             |                                                                                     | Apply to:BENZ                          |
|                                                                                     | Nominal displacement:17.0ml/r          |                                                                                     | Nominal displacement:17.0ml/r          |
|                                                                                     | Maximum Pressure:100bar                |                                                                                     | Maximum Pressure:000                   |
|                                                                                     | Highest rotational speed:500-3600r/min |                                                                                     | Highest rotational speed:500-3600r/min |
|                                                                                     | Controlled flow rate: 16.0L/min        |                                                                                     | Controlled flow rate: 16.0L/min        |
|                                                                                     | Fuel feed hole:M26×1.5                 |                                                                                     | Fuel feed hole:M26×1.5                 |
|                                                                                     | Fuel discharge hole:M16×1.5            |                                                                                     | Fuel discharge hole:M18×1.5            |
|  | Direction of rotation:RIGHT            |  | Direction of rotation:LEFT             |
|                                                                                     | ZF No.:7684 955 139                    |                                                                                     | ZF No.:7683 975 900                    |
|                                                                                     | Apply to:BENZ 001 460 4480             |                                                                                     | Apply to:BENZ 23B145157                |
|                                                                                     | Nominal displacement:21ml/r            |                                                                                     | Nominal displacement:15ml/r            |
|                                                                                     | Maximum Pressure:000                   |                                                                                     | Maximum Pressure:000                   |
|                                                                                     | Highest rotational speed:500-3200r/min |                                                                                     | Highest rotational speed:500-3600r/min |
|                                                                                     | Controlled flow rate: 17.0L/min        |                                                                                     | Controlled flow rate: 11.0L/min        |
|                                                                                     | Fuel feed hole:M26×1.5                 |                                                                                     | Fuel feed hole:Φ16.5                   |
|  | Fuel discharge hole:M16×1.5            |  | Fuel discharge hole:Φ10                |
|                                                                                     | Direction of rotation:LEFT             |                                                                                     | Direction of rotation:LEFT             |
|                                                                                     | ZF No.:7684 955 903                    |                                                                                     | ZF No.:7673 955 116                    |
|                                                                                     | Apply to:BENZ                          |                                                                                     | Apply to:BENZ 000466 6701              |
|                                                                                     | Nominal displacement:                  |                                                                                     | Nominal displacement:16.6ml/r          |
|                                                                                     | Maximum Pressure:000                   |                                                                                     | Maximum Pressure:100bar                |
|                                                                                     | Highest rotational speed:              |                                                                                     | Highest rotational speed:500-3200r/min |
|                                                                                     | Controlled flow rate: 17.0L/min        |                                                                                     | Controlled flow rate:16.0 L/min        |
|  | Fuel feed hole:                        |  | Fuel feed hole:M26×1.5                 |
|                                                                                     | Fuel discharge hole:                   |                                                                                     | Fuel discharge hole:M18×1.5            |
|                                                                                     | Direction of rotation:RIGHT            |                                                                                     | Direction of rotation:RIGHT            |
|                                                                                     | ZF No.:7684 955 913                    |                                                                                     | ZF No.:7684 955 921                    |
|                                                                                     | Apply to:BENZ 001 460 8480             |                                                                                     | Apply to:BENZ                          |
|                                                                                     | Nominal displacement:                  |                                                                                     | Nominal displacement:17ml/r            |
|                                                                                     | Maximum Pressure:000                   |                                                                                     | Maximum Pressure:000                   |
|                                                                                     | Highest rotational speed:              |                                                                                     | Highest rotational speed:500-3600r/min |
|  | Controlled flow rate:                  |  | Controlled flow rate: 15.0L/min        |
|                                                                                     | Fuel feed hole:                        |                                                                                     | Fuel feed hole:                        |
|                                                                                     | Fuel discharge hole:                   |                                                                                     | Fuel discharge hole:                   |
|                                                                                     | Direction of rotation:LEFT             |                                                                                     | Direction of rotation:LEFT             |

## Other Products (Continued)

### Power Steering Pump > Mercedes-BENZ (Continued)

|                                                                                     |                                                                                                                                                                                                                                                                                                                              |                                                                                      |                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>Luk No.:542003210</p> <p>Apply to:BENZ</p> <p>Nominal displacement:15ml/r</p> <p>Maximum Pressure:10.0Mpa</p> <p>Highest rotational speed:3200r/min</p> <p>Controlled flow rate: 13.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:RIGHT</p>                        |    | <p>ZF No.:7673 955 908</p> <p>Apply to:BENZ 345 466 0001</p> <p>Nominal displacement:17.5ml/r</p> <p>Maximum Pressure:100bar</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 15.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:RIGHT</p>   |
|    | <p>Luk No.:542004810</p> <p>Apply to:BENZ 001 460 3180</p> <p>Nominal displacement:18.0ml/r</p> <p>Maximum Pressure:180bar</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 20.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M18×1.5</p> <p>Direction of rotation:RIGHT</p>      |    | <p>Luk No.:542004710</p> <p>Apply to:BENZ 001 460 3080</p> <p>Nominal displacement:18.0ml/r</p> <p>Maximum Pressure:180bar</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 20.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:RIGHT</p>     |
|   | <p>OEM No.:7673 955 554</p> <p>Apply to:BENZ 001 466 2701</p> <p>Nominal displacement:15ml/r</p> <p>Maximum Pressure:10.0Mpa</p> <p>Highest rotational speed:3200r/min</p> <p>Controlled flow rate: 13.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:RIGHT</p>        |   | <p>ZF No.:7673 955 127</p> <p>Apply to:BENZ</p> <p>Nominal displacement:15.77</p> <p>Maximum Pressure:10</p> <p>Highest rotational speed:500-3500r/min</p> <p>Controlled flow rate: 17.0L/min</p> <p>Fuel feed hole:</p> <p>Fuel discharge hole:</p> <p>Direction of rotation:RIGHT</p>                                     |
|  | <p>OEM No.:7673 955 214</p> <p>Apply to:BENZ001 466 3901</p> <p>Nominal displacement:16.5ml/r</p> <p>Maximum Pressure:000</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 12.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:RIGHT</p>       |  | <p>ZF No.:7691 955 910</p> <p>Apply to:BENZ</p> <p>Nominal displacement:8.5ml/r</p> <p>Maximum Pressure:100bar</p> <p>Highest rotational speed:500-7000r/min</p> <p>Controlled flow rate: 8.0L/min</p> <p>Fuel feed hole:Φ17.3</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:LEFT</p>                     |
|  | <p>ZF No.:7691 955 921</p> <p>Apply to:BENZ</p> <p>Nominal displacement:8.5ml/r</p> <p>Maximum Pressure:100bar</p> <p>Highest rotational speed:500-7000r/min</p> <p>Controlled flow rate: 9.0L/min</p> <p>Fuel feed hole:Φ17.3</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:LEFT</p>                      |  | <p>ZF No.:7684 955 190</p> <p>Apply to:BENZ 712C/914C/1215C</p> <p>Nominal displacement:17.0ml/r</p> <p>Maximum Pressure:90bar</p> <p>Highest rotational speed:500-3500r/min</p> <p>Controlled flow rate: 17.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:RIGHT</p> |
|  | <p>ZF No.:ZF 7673 955 534</p> <p>Apply to:BENZ 001 466 1301</p> <p>Nominal displacement:16.6ml/r</p> <p>Maximum Pressure:120bar</p> <p>Highest rotational speed:500-3600r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:RIGHT</p> |  | <p>ZF No.:7684 955 198 128</p> <p>Apply to:</p> <p>Nominal displacement:15.77ml/r</p> <p>Maximum Pressure:100bar</p> <p>Highest rotational speed:500-3500r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M18×1.5</p> <p>Direction of rotation:RIGHT</p>               |

## Other Products (Continued)

### Power Steering Pump > Mercedes-BENZ (Continued)

|                                                                                     |                                                                                                                                                                                                                                                                                                                                       |                                                                                    |                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>ZF No.: LUK 542 0453 10</p> <p>Apply to: BENZ 002 460 8880</p> <p>Nominal displacement: 25.0ml/r</p> <p>Maximum Pressure: 180bar</p> <p>Highest rotational speed: 500-3200r/min</p> <p>Controlled flow rate: 20.0L/min</p> <p>Fuel feed hole: M26×1.5</p> <p>Fuel discharge hole: M16×1.5</p> <p>Direction of rotation: RIGHT</p>  |   | <p>ZF No.: ZF 7673 955 913</p> <p>Apply to:</p> <p>Nominal displacement: 17.5ml/r</p> <p>Maximum Pressure: 100bar</p> <p>Highest rotational speed: 3200r/min</p> <p>Controlled flow rate: 10.0L/min</p> <p>Fuel feed hole: M26×1.5</p> <p>Fuel discharge hole: M16×1.5</p> <p>Direction of rotation: RIGHT</p>                           |
|    | <p>ZF No.: LUK 542 0453 10</p> <p>Apply to: BENZ 002 460 8880</p> <p>Nominal displacement: 25.0ml/r</p> <p>Maximum Pressure: 180bar</p> <p>Highest rotational speed: 500-3200r/min</p> <p>Controlled flow rate: 20.0L/min</p> <p>Fuel feed hole: M26×1.5</p> <p>Fuel discharge hole: M16×1.5</p> <p>Direction of rotation: RIGHT</p>  |   | <p>ZF No.: LUK 542 0050 10</p> <p>Apply to: BENZ 001 460 7280</p> <p>Nominal displacement: 21.0ml/r</p> <p>Maximum Pressure: 155bar</p> <p>Highest rotational speed: 500-3200r/min</p> <p>Controlled flow rate: 18.0L/min</p> <p>Fuel feed hole: M26×1.5</p> <p>Fuel discharge hole: M16×1.5</p> <p>Direction of rotation: RIGHT</p>     |
|   | <p>ZF No.: LUK 542 0051 10</p> <p>Apply to: BENZ 001 460 7080</p> <p>Nominal displacement: 21.0ml/r</p> <p>Maximum Pressure: 000bar</p> <p>Highest rotational speed: 500-3200r/min</p> <p>Controlled flow rate: 18.0L/min</p> <p>Fuel feed hole: M26×1.5</p> <p>Fuel discharge hole: M16×1.5</p> <p>Direction of rotation: RIGHT</p>  |  | <p>ZF No.: LUK 542 0038 10</p> <p>Apply to: BENZ 000 466 5001</p> <p>Nominal displacement: 17.5ml/r</p> <p>Maximum Pressure: 80bar</p> <p>Highest rotational speed: 600-3600r/min</p> <p>Controlled flow rate: 11.0L/min</p> <p>Fuel feed hole: M18×1.5</p> <p>Fuel discharge hole: 5/8-18UNF-2B</p> <p>Direction of rotation: RIGHT</p> |
|  | <p>ZF No.: zf 7684 955 911</p> <p>Apply to: BENZ a376 466 7801</p> <p>Nominal displacement: 17.0ml/r</p> <p>Maximum Pressure: 000bar</p> <p>Highest rotational speed: 500-3500r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole: M26×1.5</p> <p>Fuel discharge hole: M16×1.5</p> <p>Direction of rotation: RIGHT</p> |                                                                                    |                                                                                                                                                                                                                                                                                                                                          |

### Power Steering Pump > Scania

|                                                                                     |                                                                                                                                                                                                                                                                                                                             |                                                                                     |                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>ZF No.: 7677 955 106</p> <p>Apply to: SCANIA 571364</p> <p>Nominal displacement: 32ml/r</p> <p>Maximum Pressure: 130bar</p> <p>Highest rotational speed: 3200r/min</p> <p>Controlled flow rate: 15.0 L/min</p> <p>Fuel feed hole: M26×1.5</p> <p>Fuel discharge hole: M16×1.0</p> <p>Direction of rotation: RIGHT</p>    |  | <p>OEM No.: LUK 542 0013 10</p> <p>Apply to: SCANIA 1333790</p> <p>Nominal displacement: 21ml/r</p> <p>Maximum Pressure: 000</p> <p>Highest rotational speed: 3000r/min</p> <p>Controlled flow rate: 16.0 L/min</p> <p>Fuel feed hole: M26×1.5</p> <p>Fuel discharge hole: M16×1.5</p> <p>Direction of rotation: RIGHT</p> |
|  | <p>Luk No.: LUK 542001010</p> <p>Apply to: SCANIA 1421273</p> <p>Nominal displacement: 21ml/r</p> <p>Maximum Pressure: 000</p> <p>Highest rotational speed: 500-3600r/min</p> <p>Controlled flow rate: 21.0L/min</p> <p>Fuel feed hole: M26×1.5</p> <p>Fuel discharge hole: M16×1.5</p> <p>Direction of rotation: RIGHT</p> |  | <p>Luk No.: LUK 542000810</p> <p>Apply to: SCANIA 1421 272</p> <p>Nominal displacement: 21ml/r</p> <p>Maximum Pressure: 000</p> <p>Highest rotational speed: 3200r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole: M26×1.5</p> <p>Fuel discharge hole: M16×1.5</p> <p>Direction of rotation: RIGHT</p>   |



## Other Products (Continued)

### Power Steering Pump > Scania (Continued)

|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                                                                                     |                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>ZF No.:ZF 7685 955 787</p> <p>Apply to:SCANIA 1504006</p> <p>Nominal displacement:21ml/r</p> <p>Maximum Pressure:000</p> <p>Highest rotational speed:</p> <p>Controlled flow rate:</p> <p>Fuel feed hole:</p> <p>Fuel discharge hole:</p> <p>Direction of rotation:</p>                                         |    | <p>OEM No.:LUK 542 0012 10</p> <p>Apply to:SCANIA 1332653</p> <p>Nominal displacement:21ml/r</p> <p>Maximum Pressure:000</p> <p>Highest rotational speed:3000r/min</p> <p>Controlled flow rate:22.0 L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:RIGHT</p>   |
|    | <p>ZF No.:7677 955 110</p> <p>Apply to:SCANIA 000112 0808</p> <p>Nominal displacement:</p> <p>Maximum Pressure:85bar</p> <p>Highest rotational speed:</p> <p>Controlled flow rate:15.0L/MIN</p> <p>Fuel feed hole:</p> <p>Fuel discharge hole:</p> <p>Direction of rotation:</p>                                   |    | <p>ZF No.:ZF 7677 955 107</p> <p>Apply to:SCANIA571366</p> <p>Nominal displacement:32.0ml/r</p> <p>Maximum Pressure:115bar</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 15.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:LEFT</p>   |
|   | <p>ZF No.:ZF 7677 955 108</p> <p>Apply to:SCANIA571365</p> <p>Nominal displacement:32.0ml/r</p> <p>Maximum Pressure:000bar</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 25.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:RIGHT</p> |   | <p>ZF No.:ZF 7677 955 116</p> <p>Apply to:SCANIA</p> <p>Nominal displacement:32.0ml/r</p> <p>Maximum Pressure:130bar</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 25.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:RIGHT</p>        |
|  | <p>ZF No.:ZF 7674 955 217</p> <p>Apply to:SCANIA571370</p> <p>Nominal displacement:16.0ml/r</p> <p>Maximum Pressure:000bar</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 15.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:LEFT</p>  |  | <p>ZF No.:LUK 542 0004 10</p> <p>Apply to:SCANIA 1571394</p> <p>Nominal displacement:21.0ml/r</p> <p>Maximum Pressure:000bar</p> <p>Highest rotational speed:500-3600r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:LEFT</p> |
|  | <p>ZF No.:LUK 542 0003 10</p> <p>Apply to:SCANIA 1571393</p> <p>Nominal displacement:</p> <p>Maximum Pressure:130bar</p> <p>Highest rotational speed:</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:</p> <p>Fuel discharge:</p> <p>Direction of rotation:</p>                                       |                                                                                     |                                                                                                                                                                                                                                                                                                                     |

### Power Steering Pump > Volvo

|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                                                                                      |                                                                                                                                                                                                                                                                                                                |
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|  | <p>Luk no.:LUK 542001810</p> <p>Apply to:VOLVO 3172197</p> <p>Nominal displacement:21ml/r</p> <p>Maximum Pressure:000</p> <p>Highest rotational speed:500-3600r/min</p> <p>Controlled flow rate: 21.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:Right</p> |  | <p>Luk No.:542003710</p> <p>Apply to:VOLVO 1628208</p> <p>Nominal displacement:21ml/r</p> <p>Maximum Pressure:000</p> <p>Highest rotational speed:500-3600r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:Right</p> |
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## Other Products (Continued)

### Power Steering Pump > Volvo (Continued)

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|    | <p>ZF No.:ZF 7673 955 225</p> <p>Apply to:VOLVO</p> <p>Nominal displacement:17.5ml/r</p> <p>Maximum Pressure:135bar</p> <p>Highest rotational speed:500-3600r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:LEFT</p>          |    | <p>Luk No.:542000710</p> <p>Apply to:VOLVO3172499</p> <p>Nominal displacement:21ml/r</p> <p>Maximum Pressure:000</p> <p>Highest rotational speed:500-3500r/min</p> <p>Controlled flow rate: 20.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:RIGHT</p>            |
|    | <p>ZF No.:7684 974 704</p> <p>Apply to:VOLVO 3986328</p> <p>Nominal displacement:17ml/r</p> <p>Maximum Pressure:000</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate:16.0 L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M18×1.5</p> <p>Direction of rotation:RIGHT</p>    |    | <p>Luk no.:542000110</p> <p>Apply to:VOLVO 1082959</p> <p>Nominal displacement:21ml/r</p> <p>Maximum Pressure:135bar</p> <p>Highest rotational speed:500-3600r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:LEFT</p>         |
|   | <p>OEM No.:5420010100</p> <p>Apply to:VOLVO</p> <p>Nominal displacement:21ml/r</p> <p>Maximum Pressure:000</p> <p>Highest rotational speed:3600r/min</p> <p>Controlled flow rate: 21.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:RIGHT</p>                 |   | <p>ZF No.:ZF 7673 955 243</p> <p>Apply to:VOLVO 1089887</p> <p>Nominal displacement:17.5ml/r</p> <p>Maximum Pressure:150bar</p> <p>Highest rotational speed:500-3600r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:LEFT</p>       |
|  | <p>ZF No.:ZF 7673 955 213</p> <p>Apply to:VOLVO 1587787</p> <p>Nominal displacement:17.5ml/r</p> <p>Maximum Pressure:120bar</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:LEFT</p>  |  | <p>Luk no.:ZF 76730955 211</p> <p>Apply to:VOLVO 1585013</p> <p>Nominal displacement:17.5ml/r</p> <p>Maximum Pressure:135bar</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge hole:M16×1.5</p> <p>Direction of rotation:LEFT</p> |
|  | <p>ZF No.:ZF 7673 955 202</p> <p>Apply to:VOLVO 1589925</p> <p>Nominal displacement:17.5ml/r</p> <p>Maximum Pressure:135bar</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:RIGHT</p> |  | <p>ZF No.:ZF 7673 955 395</p> <p>Apply to:VOLVO 3986330</p> <p>Nominal displacement:17.5ml/r</p> <p>Maximum Pressure:115bar</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 14.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:LEFT</p>       |
|  | <p>ZF No.:LUK 542 0426 10</p> <p>Apply to:VOLVO 3172488</p> <p>Nominal displacement:21.0ml/r</p> <p>Maximum Pressure:</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 20.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:RIGHT</p>       |  | <p>ZF No.:ZF 7685 974 704</p> <p>Apply to:VOLVO</p> <p>Nominal displacement:21.0ml/r</p> <p>Maximum Pressure:000bar</p> <p>Highest rotational speed:3000r/min</p> <p>Controlled flow rate: 24.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M18×1.5</p> <p>Direction of rotation:RIGHT</p>                  |

## Other Products (Continued)

### Power Steering Pump > Volvo (Continued)

|                                                                                   |                                                                                                                                                                                                                                                                                                                     |                                                                                   |                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>ZF No.:ZF 7673 955 219</p> <p>Apply to:VOLVO</p> <p>Nominal displacement:17.5ml/r</p> <p>Maximum Pressure:120bar</p> <p>Highest rotational speed:500-3600r/min</p> <p>Controlled flow rate: 14.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:LEFT</p>          |  | <p>ZF No.:LUK 542 0001 10</p> <p>Apply to:VOLVO 1082959</p> <p>Nominal displacement:21.0ml/r</p> <p>Maximum Pressure:135bar</p> <p>Highest rotational speed:500-3600r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:LEFT</p> |
|  | <p>ZF No.:ZF 7673 955 190</p> <p>Apply to:VOLVO 4786919</p> <p>Nominal displacement:17.5ml/r</p> <p>Maximum Pressure:120bar</p> <p>Highest rotational speed:500-3200r/min</p> <p>Controlled flow rate: 16.0L/min</p> <p>Fuel feed hole:M26×1.5</p> <p>Fuel discharge:M16×1.5</p> <p>Direction of rotation:RIGHT</p> |                                                                                   |                                                                                                                                                                                                                                                                                                                    |



## Other Products (Continued)

| Turbocharger |              |                     |          |                           |
|--------------|--------------|---------------------|----------|---------------------------|
| UNIQUE No.   | Engine Brand | Model               | Engine   | Part No                   |
| 2218 0200    | CATERPILLAR  | E320B               | 3066     | 49179-02300 / ME518018    |
| 2218 0400    | CATERPILLAR  | E325                | 3116     |                           |
| 2218 0401    | CATERPILLAR  | E325B               | 3116     |                           |
| 2218 0402    | CATERPILLAR  | E325C               | 3116     | 177-0440                  |
| 2218 0403    | CATERPILLAR  | E240B               | 3116     | 49168-01202               |
| 2218 1000    | CATERPILLAR  | CAT 225             | 3304     | 4N6858                    |
| 2218 1001    | CATERPILLAR  | E950/950B           | 3304     | 4N6859                    |
| 2218 1002    | CATERPILLAR  | D5H                 | 3304     | 7N4651                    |
| 2218 1100    | CATERPILLAR  | E330                | 3306     | 7C7582                    |
| 2218 1101    | CATERPILLAR  | E330B               | 3306     | 7N7748 219-1909 /106-7407 |
| 2218 1102    | CATERPILLAR  | E330C Air cooling   | 3306     | 191-5094                  |
| 2218 1103    | CATERPILLAR  | E330C water cooling | 3306     |                           |
| 2218 1104    | CATERPILLAR  | E350                | 3306     | 105-5059                  |
| 2218 1105    | CATERPILLAR  | D6D                 | 3306     | 6N7924                    |
| 2218 1106    | CATERPILLAR  | D7G                 | 3306     | 4N9544                    |
| 2218 1107    | CATERPILLAR  | 966D                | 3306     | 1W9383                    |
| 2218 1108    | CATERPILLAR  | D5 D333C            | 3306     |                           |
| 2218 1109    | CATERPILLAR  |                     | 3306     | 219-9710                  |
| 2218 1200    | CATERPILLAR  |                     | 3406     | 7C6609                    |
| 2218 1201    | CATERPILLAR  | D8N                 | 3406     |                           |
| 2218 1202    | CATERPILLAR  | TV81                | 3406     |                           |
| 2218 1203    | CATERPILLAR  |                     | 3406E    | 196-5951                  |
| 2218 1300    | CATERPILLAR  |                     | 3408     | 1W5580                    |
| 2218 1400    | CATERPILLAR  |                     | 3412     | 7C2485                    |
| 2218 1600    | CATERPILLAR  |                     | 3512     | 4W9104                    |
| 2218 1800    | CATERPILLAR  |                     | 345B     | 247-2969                  |
| 2218 1900    | CATERPILLAR  | E110                | 4BD1     | 5I7585                    |
| 2218 2000    | CATERPILLAR  | E120                | 6D14     | 5I7903                    |
| 2218 2100    | CATERPILLAR  | E240                | 6D15     | 5I8122                    |
| 2218 2400    | CATERPILLAR  | E330D Air cooling   | C9       |                           |
| 2218 2401    | CATERPILLAR  | E330D Water cooling | C9       | 216-7815                  |
| 2218 2500    | CATERPILLAR  | GT4294              | C12      | 471086-0002               |
| 2218 2600    | CATERPILLAR  |                     | C13      | 252-4588                  |
| 2218 2700    | CATERPILLAR  | D8K                 | D342     | 6N7203                    |
| 2218 3300    | CATERPILLAR  | E110B               | S4K      | 5I7903                    |
| 2218 3301    | CATERPILLAR  | E120B               | S4K      | 49168-00330               |
| 2218 3302    | CATERPILLAR  | E312B               | S4K      | ME518122                  |
| 2218 3500    | CATERPILLAR  | E200B               | S6K      | 49179-00451 / 5I5015      |
| 2218 3501    | CATERPILLAR  | E320                | S6K      | 49179-02260 / ME517952    |
| 1818 0100    | Volvo        | EC210               | D6DEAE   |                           |
| 1818 0101    | Volvo        | EC210B              | D6DEAE   |                           |
| 1818 0102    | Volvo        | EC240               | D6DEAE   |                           |
|              | Volvo        | EC260               |          |                           |
| 1818 0200    | Volvo        | EC290               | D7DEAE2  |                           |
| 1818 0400    | Volvo        | EC360               | D108EAE2 |                           |

## Other Products (Continued)

### Turbocharger (Continued)

| UNIQUE No. | Engine Brand | Model      | Engine                 | Part No                |
|------------|--------------|------------|------------------------|------------------------|
| 1818 0401  | Volvo        | EC460      | D108EAE2               |                        |
| 1818 1000  | Volvo        | H2A        | F7/N7/B57 Truck or Bus | 3523646                |
| 1818 1100  | Volvo        | GT1544S    | F9Q 730-F9Q206         | 703753-0001            |
| 1818 1300  | Volvo        | GT4594     | HX55                   | 452164-0001            |
| 1818 1400  | Volvo        | GT45       | K31                    | 5331 970 7129          |
| 1818 1500  | Volvo        | T04B49     | LTC Truck 8060.25      | 465640-0021            |
| 1818 1600  | Volvo        | TD04HL-13T | N2P25LT                | 49189-05200            |
| 1818 1601  | Volvo        | TD04HL-13G | N2P25LT                | 49189-01360            |
| 1818 1900  | Volvo        | T04B46     | TD60B                  | 465600-0005            |
| 1818 1901  | Volvo        | TO4B29     | TD07E/G/TD60B          | 409840-5003/5005       |
| 1818 2000  | Volvo        | T04E10     | TD61G                  | 466742-0006            |
| 1818 2200  | Volvo        | T04B44     | TD70                   | 465570-0002            |
| 1818 2300  | Volvo        | T04E10     | TD71                   | 466742-0004            |
| 1818 2800  | Volvo        | H2D        | FL10/TD102F            | 3537877 3525994        |
| 1818 3100  | Volvo        | TA5102     | TD121/122 FL10         | 466076-0012            |
| 1818 3600  | Volvo        | HT55       | VOLVO380               | 452164-1               |
| 2018 0300  | BENZ         | TO4B27     | OM352                  | 409300-0014 3520967599 |
| 2018 0301  | BENZ         | TO4B81     | OM352A                 | 465366-0001 3520964299 |
| 2018 0302  | BENZ         | TO4B27     | OM352A                 | 409300-0008 3520963499 |
| 2018 0303  | BENZ         | TO4B27     | OM352A                 | 3520963699             |
| 2018 0400  | BENZ         | 4LGZ       | OM355                  | 5232-970-3296          |
| 2018 0600  | BENZ         | TO4B81     | OM362                  | 3620966699             |
| 2018 0700  | BENZ         | K24        | OM364A                 | 5324-970-6010          |
| 2018 0800  | BENZ         | TO4E66     | OM366                  | 3660962399/2499        |
| 2018 0801  | BENZ         | TO4E66     | OM366                  | 3660963299             |
| 2018 0802  | BENZ         | TO4E66     | OM366                  | 466646-0003/4          |
| 2018 0803  | BENZ         | K27        | OM366                  | 5327-970-6440          |
| 2018 0804  | BENZ         | K27        | OM366                  | 5327-970-6441          |
| 2018 0805  | BENZ         | K27        | OM366                  | 5327-970-6710          |
| 2018 0806  | BENZ         | K27        | OM366A                 | 5327-970-6444          |
| 2018 1400  | BENZ         | K27        | OM442                  | 5327-988-6502          |
| 2018 1401  | BENZ         | K27-442    | OM442                  | 5327-988-6507          |
| 2018 1402  | BENZ         | K27-442-3  | OM442                  | 5327-970-6502          |
| 2018 1403  | BENZ         | K27        | OM442A                 | 5327-970-6201          |
| 2018 1404  | BENZ         | K27        | OM442                  | 5327-988-6206          |
| 2018 1600  | BENZ         | TA4521     | OM441                  | 466618-0013/14/15      |
| 2018 1601  | BENZ         | K27        | OM441                  | 5327-970-6507          |
| 2018 1602  | BENZ         | TA4521     | OM441LA                | 5327-970-6508          |
| 2018 1700  | BENZ         | TB4122     | OM442                  | 466214-0010            |
| 2018 2000  | BENZ         | S400S-14   | OM447                  | 4760968199             |
| 2018 2001  | BENZ         | TA5127     | OM447                  | 00309672/399           |
| 2018 2002  | BENZ         | TA5127     | OM447                  | 466154-0017            |
| 2018 2003  | BENZ         | 4LGZ       | OM447/OM355A           | 968399                 |
| 2018 2100  | BENZ         | TA4521     | OM449                  | 466618-0022            |
| 2018 2700  | BENZ         | S400       | OM501                  | 316428 006 096 5499    |
| 2018 3100  | BENZ         | GT2538C    | OM602                  | 454207-0001            |
| 2018 3300  | BENZ         | GT1852V    | OM611                  | A6110960299            |
| 2018 3400  | BENZ         | GT2256V    | OM612                  | A6120960399            |
| 2018 3800  | BENZ         | GT17       | OM661                  | 454220-0001            |
| 2018 3900  | BENZ         | K16        | OM904LA                | 5316-970-7029          |
| 2018 5200  | BENZ         | GT1238     | M160EGAPB103           | 708837-0001            |
| 2118 0100  | CUMMINS      | HX30W      | 4BT                    | 4050220/221            |
| 2118 0101  | CUMMINS      | HX30W      | 4BT                    | 3802906                |

## Other Products (Continued)

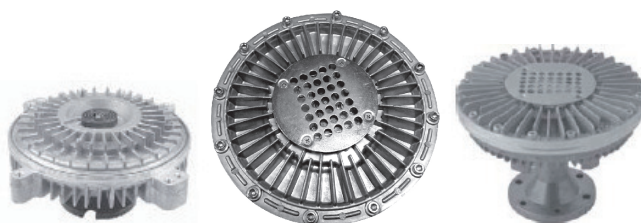
### Turbocharger (Continued)

| UNIQUE No. | Engine Brand | Model  | Engine     | Part No                                                                            |
|------------|--------------|--------|------------|------------------------------------------------------------------------------------|
| 2118 0102  | CUMMINS      | H1C    | 4BT 3.9    | 3522900                                                                            |
| 2118 0103  | CUMMINS      | HX30   | 4BTA       | 3592112 3592109                                                                    |
| 2118 0104  | CUMMINS      | H1C    | 4BTA       | 3523743                                                                            |
| 2118 0105  | CUMMINS      | HX30W  | 4BTA       | 3537751/753                                                                        |
| 2118 0106  | CUMMINS      | HX30W  | 4BTAA      | 3592317/318                                                                        |
| 2118 0107  | CUMMINS      | HX30W  | 4BTAA      | 3592121/122/123/124                                                                |
| 2118 0108  | CUMMINS      | HX30W  | 4BTAA      | 3598543                                                                            |
| 2118 0109  | CUMMINS      | HX30W  | 4BTAA      | 4051166                                                                            |
| 2118 0110  | CUMMINS      | HX30W  | 4BTAA      | 3592015 3537034/35                                                                 |
| 2118 0200  | CUMMINS      | H1C    | 6BT        | 3531696 3531456                                                                    |
| 2118 0201  | CUMMINS      | H1C    | 6BT        | 3522777 3522778 3528740 3528741<br>3528749 3531456 3535381 3535430                 |
| 2118 0202  | CUMMINS      | HX35   | 6BT        | 3919153 3919151 3919119 3536473                                                    |
| 2118 0203  | CUMMINS      | HX35   | 6BT        | 3597913 597914                                                                     |
| 2118 0204  | CUMMINS      | HX35   | 6BT        | 3536338 3536339 3537132 3537133 3598176<br>3539697 3537134 3537135 3537136 3537137 |
| 2118 0205  | CUMMINS      | WH1C   | 6BT        | 3539428 3539429 3539956 3593089 3591122<br>3591123 3591124                         |
| 2118 0206  | CUMMINS      | TA3407 | 6BT        | 451567-5005                                                                        |
| 2118 0207  | CUMMINS      | HX35W  | 6BT        | 3536313 3802694 3536321 3536971 3538868<br>3538626 3536977                         |
| 2118 0208  | CUMMINS      | HX35W  | 6BT        | 3534982 3534925                                                                    |
| 2118 0209  | CUMMINS      | HX35W  | s 6BT(160) | 3960904 3960777 3960408 3960413                                                    |
| 2118 0210  | CUMMINS      | HX35W  | 6BT(160)   | 3960905                                                                            |
| 2118 0211  | CUMMINS      | HX35W  | 6BTAA      | 3960478 4050150/1 4035375 3534917                                                  |
| 2118 0212  | CUMMINS      | TBP4   | 6BTAA      | 702646-5005                                                                        |
| 2118 0300  | CUMMINS      | H1E    | 6CT        | 3802303 3802126                                                                    |
| 2118 0301  | CUMMINS      | H1E    | 6CT        | 3524034 3524035                                                                    |
| 2118 0302  | CUMMINS      | H1E    | 6CT        | 3525488 3527370                                                                    |
| 2118 0303  | CUMMINS      | H1E    | 6CT        | 3528708 3528709                                                                    |
| 2118 0304  | CUMMINS      | H1E    | 6CT        | 3528777/778/779                                                                    |
| 2118 0305  | CUMMINS      | H1E    | 6CT        | 3527107 3527123                                                                    |
| 2118 0306  | CUMMINS      | H1E    | 6CT        | 3532801 3532802                                                                    |
| 2118 0307  | CUMMINS      | HX40   | 6CT        | 4035234/4035235                                                                    |
| 2118 0308  | CUMMINS      | HX40   | 6CT        | 3595507/4046109                                                                    |
| 2118 0309  | CUMMINS      | HX40   | 6CT        | 3533000 3533008 3533370 3533369 3535005                                            |
| 2118 0310  | CUMMINS      | HX40W  | 6CT        | 4050204                                                                            |
| 2118 0311  | CUMMINS      | WH1E   | 6CT        | 3528174                                                                            |
| 2118 0312  | CUMMINS      | HX40W  | 6CT        | 3596418                                                                            |
| 2118 0313  | CUMMINS      | HX40   | 6CT        | 3537557 3537558 3537559 3539265                                                    |
| 2118 0314  | CUMMINS      | HX40W  | 6CT        | 3802651 3535635                                                                    |
| 2118 0315  | CUMMINS      | HX40W  | s 6CT      | 3532222 3533005 3535617 3535632 3535664                                            |
| 2118 0316  | CUMMINS      | HX40W  | 6CTA175    | 4029181 4029180                                                                    |
| 2118 0500  | CUMMINS      | HX50   | 12V135     | 4029178                                                                            |
| 2118 0600  | CUMMINS      | HX40W  | C245       | 3538856 3539208 3537130 3537128 3537129                                            |
| 2118 0700  | CUMMINS      | HX40W  | C300       | 3538856 3537288 3536404 3536405 3536406                                            |
| 2118 1000  | CUMMINS      | HY35W  | ISbe       | 4025225 4039139                                                                    |
| 2118 1700  | CUMMINS      | HC5A   | K19        |                                                                                    |
| 2118 1701  | CUMMINS      | HC5A   | K19        | 3594060 3594061 3801847                                                            |
| 2118 1702  | CUMMINS      | HC5A   | K19        | 3523850                                                                            |
| 2118 1703  | CUMMINS      | HX80   | K19        | 3594067 3594066                                                                    |
| 2118 1704  | CUMMINS      | HX80   | K19        | 3594027                                                                            |
| 2118 1705  | CUMMINS      | HX80   | K19M600    | 3596959/60                                                                         |
| 2118 1800  | CUMMINS      | HC5A   | K38        | 3594117                                                                            |

## Other Products (Continued)

### Turbocharger (Continued)

| UNIQUE No. | Engine Brand | Model  | Engine             | Part No                 |
|------------|--------------|--------|--------------------|-------------------------|
| 2118 1900  | CUMMINS      | HC5A   | K50                | 3524451                 |
| 2118 2000  | CUMMINS      | HX80   | KTA19              | 3594104                 |
| 2118 2001  | CUMMINS      | HC5A   | KTA19              | 3593155/3597179         |
| 2118 2002  | CUMMINS      | HX80   | KTA38              | 3594121 3529870         |
| 2118 2003  | CUMMINS      | HC5A   | KTA38              | 3523850 3594027         |
| 2118 2100  | CUMMINS      | H2C    | L10                | 3594131                 |
| 2118 2101  | CUMMINS      | H2D    | L10                | 3519092 3519095 3801489 |
| 2118 2300  | CUMMINS      | HX50   | M11                | 3525237 3803024         |
| 2118 2301  | CUMMINS      | HX50   | M11                | 3594809 4050243/244     |
| 2118 2302  | CUMMINS      | HX50   | M11                | 4024969                 |
| 2118 2303  | CUMMINS      | HX50   | M11                | 3803939/ 3537245        |
| 2118 2304  | CUMMINS      | HX55   | M11                | 3537037 3807648 4029124 |
| 2118 2305  | CUMMINS      | HX55   | M11                | 3536995                 |
| 2118 2306  | CUMMINS      | HX50   | M11                | 3537245                 |
| 2118 2307  | CUMMINS      | HX55   | M11                | 3537245                 |
| 2118 2400  | CUMMINS      | HT60   | N14                | 4039173                 |
| 2118 2401  | CUMMINS      | HT60   | N14                | 3538804                 |
| 2118 2600  | CUMMINS      | T-46   | NT855              | 3523415                 |
| 2118 2601  | CUMMINS      | ST-50  | NT855              | 3524451                 |
| 2118 2700  | CUMMINS      | HT3B   | NTC320             | 3026924                 |
| 2118 2800  | CUMMINS      | HX40W  | QS                 | 3522861                 |
| 2118 2801  | CUMMINS      | HX40W  | QSL                | 4051032/4051033         |
| 1118 0100  | DEUTZ        | JP76D  | TB226B-6Q          | 1227-0137KY             |
| 1118 1000  | DEUTZ        | WS2B   | 1013               | 0425-8325               |
| 1118 1006  | DEUTZ        | S200G  | BF6M1013FC         | 318815                  |
| 1118 1204  | DEUTZ        | S100   | BF4M2011 COM2      | 4281438KZ 319261        |
| 1118 1306  | DEUTZ        | WS1B   | B6M2012EC          | 313274                  |
| 1118 1306  | DEUTZ        | S300   | BF6M2012           | 042296KZ                |
| 1918 0600  | MAN          | WH1E   | DO826LF/LF217      | 51091007439             |
| 1918 2400  | MAN          | S3B    | D2866LOH20-26      | 51091007435             |
| 1918 2700  | MAN          | K36    | D2876LE20X         | 5339-970-6740           |
| 1918 2701  | MAN          | K31    | D2876LF4V          | 5331-970-6708           |
| 1918 2401  | MAN          | 4LGK   | D2866LFX -D0836LE5 | 4032199                 |
| 1918 0601  | MAN          | TO4E66 | D0826              | 3590506                 |
| 1718 0100  | SCANIA       | 4LGK   | 190E42             | 3525178                 |
| 1718 1300  | SCANIA       | S3A    | DSC11-34/36        | 312283                  |
| 1718 1301  | SCANIA       | S3A    | DSC11-34           | 312283                  |
| 1718 1500  | SCANIA       | HX50   | DSI11-A72          | 3538862                 |
| 1718 1800  | SCANIA       | GT4288 | DSC12/DSC12-01/03  | 452109-5006S            |
| 1718 2800  | SCANIA       | H2D    | Scania Truck       | 3531719                 |



| Other Products (Continued) |                                                                                                              |                  |                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                               |                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Fan Clutch                 |                                                                                                              |                  |                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                               |                                      |
| UNIQUE No.                 | Engine Brand                                                                                                 | ENGINE           | O.E.M.No.                                                                                                                                                                                                                                                   | CAR&MODEL                                                                                                                                                                                                                                                                                                                                     | CC                                   |
| 1923 2300                  | MAN                                                                                                          | D 2865           | 51 06601 0243                                                                                                                                                                                                                                               | F 2000:19.273F/                                                                                                                                                                                                                                                                                                                               | 9973                                 |
| 1923 2400                  | MAN<br>MAN<br>MAN<br>MAN<br>MAN                                                                              | D 2866           | 51 06601 0210<br>51 06601 9243                                                                                                                                                                                                                              | FL/FLL...<br>F 90:24.272DF/<br>DFS/DFLS...<br>F 90 Unterflur:25.422UNL/<br>UNLL...                                                                                                                                                                                                                                                            | 11967                                |
| 1923 2401                  | MAN<br>MAN<br>MAN<br>MAN<br>MAN                                                                              | D 2866           | 51 06601 0227<br>51 06601 0152<br>51 06601 0174<br>51 06601 0182                                                                                                                                                                                            | SR:321H<br>F 90:35.292VF/VFK<br>35.332VF/VFK,40.502DFA<br>24.502DF/DFS/DFK/FNL<br>25.502DFS/FNL                                                                                                                                                                                                                                               | 11413<br>11967<br>18273              |
| 1923 2301                  | MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN | D 2865           | 51 06630 0060<br>51 06601 7002<br>51 06601 7003<br>51 06601 7006<br>51 06601 7008<br>51 06630 0065<br>51 06630 0066<br>51 06630 0070<br>51 06630 0078<br>61 50006 0226<br>61 50006 0280<br>81 06630 6062<br>51 00663 0082<br>51 06630 0047<br>51 06630 0059 | F 2000:19.273F/FL/FLL/<br>FA/FS/FLS/FK/FAK                                                                                                                                                                                                                                                                                                    | 9973<br>11967<br>12816               |
| 1923 0500                  | MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN        | D 0824<br>D 0826 | 51 06630 0067<br>51 06630 0050<br>51 06630 0074                                                                                                                                                                                                             | M 90:<br>12.152F/FL/FS/FLS/FK<br>12.192F/FL/FS/FLS/FK/FAK<br>12.222F/FL/FA/FLS/FK/FAK<br>12.232F/FL/FA/FS/FLS/FK/FAK<br>12.262F/FL/FS/FLS/FK<br>12.272F/FL/FA/FS/FLS/FAK<br>14.152F/FL/FS/FLS/FK<br>14.162F/FL/FS/FLS/FK<br>14.192F/FL/FS/FLS/FK<br>14.222F/FL/FLS/FK<br>14.232F/FL/FS/FLS/FK<br>14.262F/FL/FS/FLS/FK<br>14.272F/FL/FS/FLS/FK | 6871<br>4580<br>6596<br>6870<br>9973 |
| 1923 1900                  | MAN                                                                                                          | D2676            | 51 06630 0073                                                                                                                                                                                                                                               | TGA:18.460FC/FLC/FRC/FLLC/                                                                                                                                                                                                                                                                                                                    | 12816                                |



| Other Products (Continued) |                                                                                                                                                                                         |        |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Fan Clutch (Continued)     |                                                                                                                                                                                         |        |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |
| UNIQUE No.                 | Engine Brand                                                                                                                                                                            | ENGINE | O.E.M.No.                                        | CAR&MODEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CC            |
| 1923 2500                  | MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN                                         | D 2876 | 51 06630 0077                                    | FLLC/N/FLLW/FLLRC/FLLRW<br>/FLS/FLLS/FLLS/N/FLS-TS/<br>FLRS/FLLRS<br>26.460FNLC/FNLRC/FNLLC/<br>FNLLRW/FNLLRC<br>/FPLS/FPLRS/FVLS/FVLRS/<br>FNLS/FNLLS/FNLRS<br>18.480FC/FLC/FLLC/<br>FLLW/ FLLRW/FLLRC<br>/FLS/FLLS/FLLS/N/<br>FLS-TS/FLRS-WW<br>/FK/FLK/FAC/FARC/<br>FAK/FAK-L/FALK<br>/FAS/FALS/FARS<br>26.460FDC/FDLC/<br>FDLC/M/<br>FDLC-WW/FDRC/<br>FDLRC-WW<br>/FDK/FDLK/FDLRK/<br>FNLLC/N/<br>FNLLW/FNLLRC/<br>FNLLRW<br>24.480FNLLC/N/<br>FNLLW/<br>FNLLRC/FNLLRW | 12412         |
| 1923 2302                  | MAN                                                                                                                                                                                     | D 2865 | 81 06630 6072                                    | NG:NG262,NG272                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6871          |
| 1923 2402                  | MAN<br>MAN<br>MAN                                                                                                                                                                       | D 2866 | 81 06630 9072<br>81 06630 9072T<br>81 06630 6064 | NG263 Ng312,<br>NG313,NL202                                                                                                                                                                                                                                                                                                                                                                                                                                                | 9973<br>11967 |
| 1923 0501                  | MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN<br>MAN                                                                                                                             | D 0824 | 51 06630 0037<br>51 06630 0049<br>51 06630 0058  | L2000:8.150FOC/FOCL<br>8.153LC/LLC/LLS/LAEC/<br>LK/LAEK<br>10.150FOC 10.153LC/<br>LLC/LLS/LK/LAEK<br>10.163LC/LLC/LLS/LLRS/<br>LAC/LAEC/LARC<br>/LAERC/LK/LRK/L-KI/LR-KI<br>/LAK/LAEK/LARK/LAERK                                                                                                                                                                                                                                                                           | 4580          |
| 2023 0800                  | MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS | OM366  | 366 200 24 23<br>366 200 42 23                   | LK/LN2:1120/L/S/LS/AF/F/O/LO<br>1317AK,1320/L/S/LS<br>1520/L<br>MK:1420/L/LS<br>1720/L/S,1722L<br>1820/L/AK/K<br>2420/L<br>NG:1420/L/LS<br>1419C/CL,1619C/CL<br>1620/L,2219C/CL<br>2220/L                                                                                                                                                                                                                                                                                  | 5958<br>5700  |

## Other Products (Continued)

### Fan Clutch (Continued)

| UNIQUE No. | Engine Brand  | ENGINE                           | O.E.M.No.                                                                                                                                                                               | CAR&MODEL             | CC                                               |
|------------|---------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------|
| 2023 0900  | MERCEDES BENS | OM401<br>OM440<br>OM442<br>OM445 | 000 200 46 22<br>000 200 39 23                                                                                                                                                          | MK:1226AF,1227A       | 10964<br>18273<br>14618<br>9572<br>9600<br>10960 |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1422F/LS,1424/L/S/LS  |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1427F,1722AK          |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1727L,1824/L/K/AK     |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1827/L/S/LS           |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1831/L/S/LS           |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2426L,2524/L/K        |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2527/L/K/B            |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2531/L,1227AF/LAF     |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1231AF                |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | SK:1831/L/S/LS/K/AK   |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2024/K/AK             |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2031/A/S/AS/K         |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 4850A,4080A           |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 4050A,3053S           |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 3553S,3550S           |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | NG:3250A/AF,3850A     |                                                  |
| 2023 1600  | MERCEDES BENS | OM441<br>OM446<br>OM541<br>OM542 | 000 200 82 22<br>000 200 30 23<br>000 200 32 23<br>000 200 33 23<br>000 200 35 22<br>000 200 35 23<br>000 200 42 22<br>000 200 47 22<br>000 200 70 22<br>000 200 71 22<br>000 200 81 22 | ACTROS:3231B,3235/K/B | 11946<br>15928<br>10964<br>14618<br>12763        |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 3240B,3243B           |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 3331/A/S/AS/K/AK/B    |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 3335K/B               |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 3340/A/S/AS/K/AK/B    |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 3343/S/AS/K/AK        |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 3348/S/AS/K/AK        |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 4140K/AK,4143K/AK     |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 4148K,2031AK          |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2040AK,2531LS         |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2535LS,2540LS         |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2543LS,2548LS         |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | MK:1226AF,1234AF      |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1733/L,1734L          |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1834/L,1834S/LS       |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2433/L,2434L          |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2534/L/S/LS/K         |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | SK:1735K,1831K        |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1834/L/S/LS           |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1838/L/S/LS/K/AK      |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1844/L/S/LS           |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1935AS/K/AK           |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2031A,2038/S          |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 3544AK,4844K          |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2638A,2644A           |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | ACTROS MP2/MP3:       |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1832/L/LL/LS          |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1836/L/LL/LS/K/AK     |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1841/L/LL/K           |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 1844/L/LL/K           |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2632/L/LL/LS/K/LK     |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2636/L/LL/LS/K/LK     |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2641/L/LL/S/LS/K/LK   |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 2644/L/LL/S/LS/K/LK   |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 3331S,3332S,3336S     |                                                  |
|            | MERCEDES BENS |                                  |                                                                                                                                                                                         | 3341S,3344S,3348S     |                                                  |

| Other Products (Continued) |                                                                                                                                                                                                                                                             |                         |                                                                                                    |                                                                                                                                                                                                                                                                                                                       |                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Fan Clutch (Continued)     |                                                                                                                                                                                                                                                             |                         |                                                                                                    |                                                                                                                                                                                                                                                                                                                       |                                           |
| UNIQUE No.                 | Engine Brand                                                                                                                                                                                                                                                | ENGINE                  | O.E.M.No.                                                                                          | CAR&MODEL                                                                                                                                                                                                                                                                                                             | CC                                        |
| 2023 1601                  | MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS                                                                                                                                                                                                             | OM441<br>OM446          | 003 205 07 06                                                                                      | O 404 BUS<br>TOURISMO (O 350)<br>Tourismo                                                                                                                                                                                                                                                                             | 14618                                     |
| 2023 1602                  | MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS                                                                                                                                                                                            | OM441<br>OM402<br>OM446 | 003 205 05 06<br>002 205 86 06                                                                     | O 404 BUS<br>TOURISMO O 350<br>TORISMO<br>TOURISMO (O 350)<br>Tourismo                                                                                                                                                                                                                                                | 14618<br>10964                            |
| 2023 1603                  | MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS                                                                                                                        | OM441<br>OM442          | 001 205 44 06<br>002 205 36 06<br>002 205 84 06                                                    | MK:1222/S/LS/F/A/LA/AF<br>1226AF,1422/L/S/LS/F<br>1426S/LS<br>1722/L/LL/S/K/AK<br>1726/L/LL/S/LS/K<br>2422/L/K/B<br>2426/L,2527L<br>1627AF<br>SK:1922/S/K/AK                                                                                                                                                          | 10964<br>15080<br>11310<br>11309<br>15078 |
| 2023 2200                  | MERCEDES BENS                                                                                                                                                                                                                                               | OM457                   | 000 200 67 22                                                                                      |                                                                                                                                                                                                                                                                                                                       | 11967                                     |
| 2023 2900                  | MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS                                                    | OM541                   | 541 200 04 22<br>541 200 00 22<br>541 200 01 22<br>541 200 02 22<br>541 200 03 22<br>541 200 06 22 | ACTROS:2653/L/S/LS/K/LK<br>3231B,3235K/B,3240B,<br>3243B<br>3331/A/S/AS/K/AK/B<br>3335K/B<br>3340/A/S/AS/K/AK/B<br>3343/S/AS/K/AK<br>3348/S/K,3353/S<br>4140K/AK,4143K/AK<br>2031AK,2040AK<br>2531LS,2535LS<br>2540LS,2548LS<br>2553LS                                                                                | 15928<br>11946                            |
| 2023 3900                  | MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS | OM904                   | 904 200 08 22<br>904 200 04 22<br>904 200 05 23                                                    | ATEGO:712,715/L,812<br>815/L/F,817/L/K<br>917/L/K/AF<br>1017/L/A/AK/KO/K<br>1018KO,1215/L/K<br>1217/L/K/KO<br>1317/L/A/K/AK<br>1317KO/LKO,1318KO/LKO<br>1517/L/A/K,1528F<br>714/K,717/K,814K<br>CITO(O520):177kW<br>UNIMOG:U 5000,U 300,U 400<br>ATEGO2:818K,916K<br>1018K,1016K,1218K<br>1216K,1318K,1518K<br>1318AK | 4250<br>4249                              |

## Other Products (Continued)

| Fan Clutch (Continued) |                                                                                                                                                                                                                                                             |                      |                                                                                                    |                                                                                                                                                                                                                                                                       |                                          |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| UNIQUE No.             | Engine Brand                                                                                                                                                                                                                                                | ENGINE               | O.E.M.No.                                                                                          | CAR&MODEL                                                                                                                                                                                                                                                             | CC                                       |
| 2023 4000              | MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS<br>MERCEDES BENS | OM906                | 906 200 18 22<br>906 200 08 22<br>906 200 00 03<br>906 200 07 23<br>906 200 09 22<br>906 200 10 23 | ATEGO:823/L/K,<br>923/L/K,<br>925AF,1023/L<br>1223/L,1225/F/AF<br>1228/L,1323/L<br>1323LS/KO/LKO<br>1325F/AF,1328/L<br>1328LS/F/AF,1523/L<br>1523A/K/AK,1525AF<br>1528/L,1528F/AF<br>1523KO<br>UNIMOG:U 400,U 500,UGN NA<br>AXOR:1823/K<br>2523/K,2528<br>2623L,2628L | 4250<br>6374<br>6370                     |
| 1723 1300              | SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA                                                                                                                                                                                          | DC11<br>DSC9         | 1 423 891<br>1 349 551<br>1 354 979<br>1 368 064<br>1 423 091<br>1 571 094<br>1 571 095            | SCANIA4-series:<br>94D/220/260/310<br>94L/310 94C/260/310<br>94G/220/260/310<br>114 C/340<br>114 G/340,114 L/340                                                                                                                                                      | 9000<br>10600<br>11000                   |
| 1723 1301              | SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA                                                                                                                                                  | DC11                 | 8 149 396<br>1 674 189<br>3 979 918<br>8 112 952                                                   | 4 - series:<br>94 D/220/260/310<br>94 L/310<br>94 C/260/310<br>94 G/220/260/310<br>114 C/340<br>114 G/340<br>114 L/340<br>FH 12:<br>FH 12/340/380/420/460<br>FH 16:<br>FH 16/470                                                                                      | 9000<br>10600<br>11000<br>12100<br>16120 |
| 1723 1400              | SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA                                                                                                                                                                      | DSC11<br>DSC9<br>DS9 | 1 480 770<br>1 321 877<br>1 480 769<br>0 374 706<br>374706<br>10571089<br>571089                   | 3 - series:<br>93 M/220/250/280<br>93 H/220/250/280<br>T 93 H/250/280<br>113 M/320/360/380/400<br>113 H/320/360/380<br>T 113 H/320/360<br>113 E/320/360<br>T 113 E/320/360/380                                                                                        | 8475<br>11020                            |
| 1723 1401              | SCANIA<br>SCANIA<br>SCANIA<br>SCANIA                                                                                                                                                                                                                        | DSC11<br>DSC14       | 1 390 875<br>0 322 016<br>571 093                                                                  | 3 - series:<br>113 M/380,113 H/380<br>113 E/380,143 M/420<br>143 H/420,T 143 H/420<br>143 E/420,T 143 E/420                                                                                                                                                           | 11020<br>14190                           |

| Other Products (Continued) |                                                                                                            |         |                                                                                                                                     |                                                                                                                                                                                                                                                                                                     |               |
|----------------------------|------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Fan Clutch (Continued)     |                                                                                                            |         |                                                                                                                                     |                                                                                                                                                                                                                                                                                                     |               |
| UNIQUE No.                 | Engine Brand                                                                                               | ENGINE  | O.E.M.No.                                                                                                                           | CAR&MODEL                                                                                                                                                                                                                                                                                           | CC            |
| 1723 1800                  | SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA<br>SCANIA                               | DSC12   | 1 393 424<br>1 354 070<br>1 354 978<br>1 392 261<br>1 402 869<br>1 404 903<br>1 412 398<br>1 459 901                                | 4 - series:124 G/360/400,<br>124 L/360                                                                                                                                                                                                                                                              | 11700         |
| 6923 0100                  | RENAULT<br>RENAULT<br>RENAULT<br>RENAULT<br>RENAULT<br>RENAULT<br>RENAULT<br>RENAULT<br>RENAULT<br>RENAULT | dCi11   | 50 00 684 275<br>50 10 269 869<br>50 10 269 871<br>54 30 128 268                                                                    | Kerax:<br>270.18/320.18/420.18/370.18<br>370.26/320.26/420.26/420.34<br>370.32/420.32/350.34<br>Premium:<br>Premium Distribution320.18D<br>/370.18D/320.26D/320.24D<br>/370.24D/370.26D<br>Premium Route 320.18/370.18<br>/420.18/370.26/370.24/420.24<br>/420.26/420.25                            | 11100         |
| 6923 0500                  | RENAULT<br>RENAULT<br>RENAULT<br>RENAULT<br>RENAULT<br>RENAULT<br>RENAULT<br>RENAULT<br>RENAULT<br>RENAULT | MIDR 06 | 50 10 140 853<br>50 00 670 880<br>50 10 140 893                                                                                     | Major:<br>Major R 385ti.26/T,R 380.26/T<br>Major R 385ti.24,R 380.24<br>Major R 385ti.25/T,R 380.25/T<br>Major R 385ti.22/T,R 380.19/TB<br>Major R 385ti.17,R 380.17<br>Major R 385ti.19/T,R 380.19/T<br>Major R 385ti.18/T,R 380.18/T<br>Major R 380.22/T<br>Major R 340ti.26/24/19/18/17<br>/16/T | 12024<br>9839 |
| 6923 0501                  | RENAULT<br>RENAULT                                                                                         | MIDR 06 | 50 10 315 689<br>50 10 315 712                                                                                                      | MAGNUM                                                                                                                                                                                                                                                                                              |               |
| 1823 0300                  | VOLVO                                                                                                      | D9      | 2 039 761 8                                                                                                                         | FM9:FM9/260/300/340/380                                                                                                                                                                                                                                                                             | 9364          |
| 1823 0500                  | VOLVO                                                                                                      | D12     |                                                                                                                                     | FM12:FM12/340/380                                                                                                                                                                                                                                                                                   |               |
| 1823 0501                  | VOLVO<br>VOLVO<br>VOLVO<br>VOLVO                                                                           | D12     | 8112950<br>8112951<br>8149394<br>8149395                                                                                            | FH12: FH12/340/380/420                                                                                                                                                                                                                                                                              | 12100         |
| 1823 0700                  | VOLVO<br>VOLVO<br>VOLVO<br>VOLVO<br>VOLVO<br>VOLVO<br>VOLVO<br>VOLVO<br>VOLVO<br>VOLVO                     | D16     | 2 051 775 3<br>2 046 663 5<br>2 080 599 7<br>2 098 122 7<br>2 103 740 3<br>8 500 028 2<br>8 500 058 6<br>8 500 073 9<br>8 500 081 8 | FH16:FH16/520/540/550/580/610/660/700                                                                                                                                                                                                                                                               | 16120         |

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