

Product Code:

# 7115

# TS-15 SHPD

## Universal truck engine oil

Meets the requirements:

SAE 20W-50, ACEA E7, A3/B4, API CI-4/SL, JASO DH-1, GLOBAL DHD-1, CATERPILLAR ECF-2/ECF-1-a, CUMMINS CES 20076/CES 20078/CES 20081, DETROIT DIESEL 93K215, DEUTZ DQC III-10, MACK EO-N/EO-M Plus, MAN M 3275, MB 228.3, MTU DDC Type 2, RENAULT RLD-2, VOLVO VDS-3

MANNOL TS-15 SHPD is a special high-quality Super High Performance Diesel engine oil on a mineral basis for heavily loaded diesels of lorries and regular buses. Provides safe engine combustion at extreme loads and perfect protection from wear out and corrosion. Thanks to special additives it has a low congelation temperature and provides easy cold cranking. Good detergent and dispersive properties provide perfect cleanliness and safe lubrication of the engine components.

### Product Characteristics:

| Test               | Method | Unit              | Result |
|--------------------|--------|-------------------|--------|
| Density at 15°C    | D 1298 | kg/m <sup>3</sup> | 890    |
| Viscosity at 40°C  | D 445  | CSt               | 161,88 |
| Viscosity at 100°C | D 445  | CSt               | 19,06  |
| Viscosity at -15°C | D 5293 | CP                | 6131   |
| Viscosity index    | D 2270 |                   | 133    |
| Flash point COC    | D 92   | °C                | 230    |
| Pour point         | D 97   | °C                | -35    |
| TBN                | D 2896 | gKOG/kg           | 10,43  |

### Volume:

|     |           |       |            |
|-----|-----------|-------|------------|
| 1L  | MN7115-1  | 60L   | MN7115-60  |
| 7L  | MN7115-7  | 208L  | MN7115-DR  |
| 10L | MN7115-10 | 1000L | MN7115-IBC |
| 20L | MN7115-20 |       |            |



[www.mannol.de](http://www.mannol.de)

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