



Description

Top High Performance Diesel (THPD) lubricant oil designed to meet the requirements of the most demanding latest generation diesel engines. It exceeds traditional SHPD performance levels. A product specifically designed for the most modern vehicles that require ACEA E7, API CI-4 lubricants, it is especially suitable for those that must comply with EURO III, EURO IV or EURO V standards according to manufacturer's specifications.

Properties

Can be used when biodiesel is used as a fuel, following the recommended change periods established by the manufacturers.

Multi-grade oil suitable for all weather conditions. Excellent pumping on ignition.

High dispersing detergent power that assures total cleaning of engine elements. Exceptional soot dispersion capacity, which makes it especially recommended for engines that incorporate EGR type emission reduction systems.

Its selected components endow it with enhanced shearing resistance, maintaining its design viscosity during the life of the oil.

Oil designed to comply with contaminating emission reduction standard EURO IV and previous, which also increases performance compared to traditional heavy diesel oils.

Depending on service conditions and EURO III engine type, this product can prolong the oil change period, provided the recommendations of the engine manufacturer are followed.

Its modern formulation endows this oil with magnificent antiwear properties; it is specially designed to protect the compressor turbo.

Quality levels, approvals and recommendations

- ACEA E5, E7
- API CI-4, CH-4/SL
- API GL-4
- CATERPILLAR CAT ECF-2/ECF-1-a
- CUMMINS CES 20076/20077/20078
- Global DHD-1
- MAN M 3275-1*
- *Formal approval

Technical specifications

| | UNIT | METHOD | VALUE |
|--|-------------|-------------|--------|
| SAE Grade | | | 15W-40 |
| Density at 15 °C | g/cm3 | ASTM D4052 | 0.871 |
| Kinematic viscosity at 40 °C | cSt | ASTM D445 | 105 |
| Kinematic viscosity at 100 °C | cSt | ASTM D445 | 14.6 |
| CCS Viscosity at -20 °C | cP | ASTM D5293 | <7000 |
| Viscosity index | - | ASTM D2270 | 144 |
| Flash point, open cup | °C | ASTM D92 | 228 |
| Pour point | °C | ASTM D97 | <-27 |
| Noack volatility, 1h at 250 °C | % in weight | CEC L-40-93 | <13 |
| Shearing Inj.Bosch: Vis 100 °C (90 cy) | cSt | CEC L-14-93 | >12.5 |
| TBN | mg KOH/g | ASTM D2896 | 10.5 |

The above mentioned characteristics are typical values and should not be considered product specifications.

Safety data sheets are available at: <https://lubricants.repsol.com/en/>