

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 E7/E5
 - MAN 3275-1*
 - MACK EO-N*
 - API CI-4/CH-4/SL*
 - API GL-4
 - Renault VI RLD/RLD-2*
 - CUMMINS 20076/20077/20078
 - MB-Approval 228.3*
 - Deutz DQC III-10*
 - MTU Type 2*
 - VOLVO VDS-3*
 - DETROIT DIESEL 93K215*
 - CAT ECF-1-a/CAT ECF-2
 - Global DHD-1
- *Formal approval

Technical specifications

	UNIT	METHOD	VALUE
SAE Grade			15W-40
Density at 15 °C	g/mL	ASTM D 4052	0.882
Viscosity at 100 °C	cSt	ASTM D 445	14.7
Viscosity at 40 °C	cSt	ASTM D 445	108
Viscosity at -20 °C	cP	ASTM D 5293	<7000
Viscosity index	-	ASTM D 2270	137
Flash point, open cup	°C	ASTM D 92	236
Pour point	°C	ASTM D 97	<-27
T. B. N.	mg KOH/g	ASTM D 2896	10.5
Bosch Injector Shearing:	cSt	CEC L-14-A-93	>12.5
Noack volatility, 1 h at 250 °C	% weight	CEC-L-40-93	<13

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