

DIESEL TURBO THPD MID SAPS 15W40



AUTOMOTIVE

Lubricants

Description

THPD (Top High Performance Diesel) synthetic technology lubricant oil designed to comply with the most demanding requirements of EURO 5 and North American latest generation diesel engines (EPA 2007). Its low ash content (MID SAPS) ensures perfect performance in the post-treatment of exhaust gases incorporated in the most modern vehicles. Specially recommended for engines that require API CJ-4 quality level and that use a low sulphur content fuel.

Properties

- Can be used when biodiesel is used as a fuel, following the recommended change periods established by the manufacturers.
- Multigrade oil that resists extremely high temperatures and minimises contaminant emissions because of its compatibility with exhaust gas post-treatment systems.
- It exceeds the demands of modern Euro 5 engines (Volvo, Mercedes Benz, Renault) and EPA 2007 (Cummins, Detroit Diesel, Mack, MTU), covering the needs of any mixed fleet.
- Its carefully studied formula reduces oil consumption, deposit levels on pistons and offers better control of viscosity and oxidation stability.
- It can be used in earlier engines according to manufacturers' specifications, and it also increases performance in comparison to traditional, heavy diesel oils.
- Depending on service conditions and EURO V engine type, this product can prolong the oil change period, provided the recommendations of the engine manufacturer are followed.
- Results tested on different engines with major reduction in wear and improved dispersion of soot and other contaminants.

Quality Levels

- API CJ-4/CI-4/CI-4 Plus/ SM
- Renault RLD-3
- MACK EO-O Premium Plus
- ACEA E7/E9
- MTU Type 2.1
- CUMMINS CES 20081
- MB-Approval 228.31
- VOLVO VDS-4
- DETROIT DIESEL 93K218
- CATERPILLAR ECF-3, ECF2, ECF-1-a

A safety information file is available on request.

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Technical data sheet for Lubricants. Revision 5. September 2011.

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Technical specifications

	UNIT	METHOD	VALUE
SAE GRADE			15W40
Density at 15 °C	g/mL	ASTM D 4052	0.870
Viscosity at 100 °C	cSt	ASTM D 445	14.5
Viscosity at 40 °C	cSt	ASTM D 445	108
Viscosity at -20 °C	cP	ASTM D 5293	7000 max.
Viscosity index	-	ASTM D 2270	135
Flash point	°C	ASTM D 92	215 min.
Punto de congelación	°C	ASTM D 97	-27 max.
T. B. N.	mg KOH/g	ASTM D 2896	8.5
Bosch Injector Shearing: Viscosity at 100°C after 90 cycle shearing	cSt	CEC L-14-A-93	12.5 min.
Sulphated ashes	% in weight	ASTM D 874	0.9

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