



TURBO THPD 15W40

DIESEL

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 4 and EURO 3 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 4 and previous, which also increases performance compared to traditional heavy diesel oils.
- Depending on service conditions and EURO 3 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 level

- ACEA E7/E5
- API CI-4/CH-4/SL
- MB 228.3
- CAT ECF-1-a/CAT ECF-2
- MAN 3275-1
- RVI RLD/RLD-2
- VOLVO VDS-3
- MACK EO-M +
- CUMMINS 20076/20077/20078
- DETROIT DIESEL 93K215

Technical characteristics

	UNIT	METHOD	VALUE
SAE grade			15W40
Density at 15°C	g/ml	ASTM D 4052	0.887
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 rate	-	ASTM D 2270	141
Flash point, open cup	°C	ASTM D 92	215 minimum
Pour point	°C	ASTM D 97	-27 maximum
T.B.N.	mg KOH/g	ASTM D 2896	10,0
Bosch Injector Shearing: Viscosity at 100° C after 90 cycle shearing	cSt	CEC L-14-A-93	12.5 minimum
Noack volatility, 1hr at 250°C	% in weight	CEC-L-40-93	13 % maximum

■ Hazard identification

This product is not classified as toxic or hazardous under current legislation.

■ Handling

Minimum precautions should be taken to avoid prolonged contact with the skin. The use of gloves, visors or glasses is recommended to avoid splashes.

■ Health and safety hazards

Inhalation: Given that it is not a particularly volatile product, the risk of inhalation is minimal.

Ingestion: Do not induce vomiting. Provide water. Seek medical advice.

Contact with the skin: Wash with plenty of water and soap.

Eyes: Wash with plenty of water.

General measures: Seek medical advice.

■ Fire fighting measures

No special measures required.

Extinction: Foams, dry chemicals, CO₂, water spray. Do not apply a jet of water directly, as it could spread the product.

■ Environmental precautions

Danger of physical pollution if spilt (watercourses, coastlines, soil, etc.) due to its floatability and oily consistency that may harm flora and fauna on contact. Prevent the material from entering water outlets.

Decontamination and cleaning: Treat like an accidental oil spill. Prevent dispersion using mechanical barriers and remove by physical or chemical means.

A safety information file is available on request.

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Unless otherwise indicated, the figures cited in technical characteristics should be considered typical.

Technical data sheet for Lubricants. Review 11. November 2010