



TURBO UHPD 10W40

DIESEL

Description

It is a next-generation synthetic lubricant oil of the highest quality. It is especially recommended for supercharged diesel engines of long-haul commercial vehicles (TIR) with extremely long periods of change. The product is specifically designed for low-emission diesel engines that meet Euro 5 or previous standards, from certain manufacturers that do not include particulate filters. The oil was adopted by Scania for its new generation of Euro 6 engines.

Properties

- It can be used when using biodiesel as fuel, in accordance with the manufacturer-recommended change periods
- The oil is highly resistant to oxidation, consumes little power and has excellent shear strength, ensuring the high oil change interval required by Scania in their LDF specifications
- It is a multigrade oil with a high range of temperatures and high cold flow, allowing greater fuel economy than oils with other viscosity levels.
- The trials we carry out allow us to ensure close control of engine cleanliness, exceeding the minimum required by international standards, thus preventing the formation of sludge and deposits in the piston and segments
- The trials conducted in motors with high EGR rates ensure perfect control of the soot that is characteristic of these exhaust after-treatment systems.
- Compared to other oils with similar characteristics, the specific control of sulphur and phosphorus of its formulation ensures compatibility with oxidation catalysts as well as with current SCRs and those from the next generation of Euro 6 engines.
- The field trials performed to gain Scania LDF-3 approval ensure engine durability in harsh conditions that can be applied to any climate, or with periods of very high oil change.

Quality level

- API CF
- ACEA E4/E7
- RENAULT RLD-2/ RXD
- MTU Type 3
- MB 228.5
- MAN 3277
- CUMMINS CES 20072
- VOLVO VDS-3
- SCANIA LDF-3
- DAF EXTENDED DRAIN

Technical characteristics

	UNIT	METHOD	VALUE
SAE GRADE			10W40
Density at 15°C	g/ml	ASTM D 4052	0.865
Viscosity at 100°C	cSt	ASTM D 445	13.4
Viscosity at 40°C	cSt	ASTM D 445	86
Viscosity at -25°C	cP	ASTM D 5293	7000 max.
Viscosity index	-	ASTM D 2270	150 minimum
Flash point, open cup	°C	ASTM D 92	215 minimum
Pour point	°C	ASTM D 97	-36
T.B.N.	mg KOH/g	ASTM D 2896	16.0
Sulphated ashes		ASTM D 874	1.9
Bosch Injector Shearing: Viscosity at 100°C after shear	cSt	ASTM D 3945	12.5 minimum

■ 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 skin. The use of gloves, masks and goggles is recommended to avoid splashes.

■ Health and safety hazards<

Inhalation: As this product has low volatility, the risk of inhalation is minimal.

Ingestion: Does not provoke vomiting. Provide water. Seek medical help.

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

Eyes: Wash with plenty of water.

General measures: Seek medical help.

■ Firefighting measures

No special measures are required.

Fire extinguishing measures: Foams, dry chemicals, CO₂, water spray. Do not apply the jet of water directly as this could cause the product to disperse.

■ Environmental precautions

Danger of physical pollution if spilt (water, coastlines, soil, etc.) due to its buoyancy and oily consistency, which may harm flora and fauna on contact. Avoid material getting into water outlets.

Decontamination and cleaning: Treat as an accidental oil spillage. 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.

Lubricants Technical data sheet. Review 6. January 2011.