



DIESEL TURBO UHPD MID SAPS 10W40

DIESEL

Description

A top quality UHPD (*Ultra High Performance Diesel*) synthetic technology lubricating oil. Its name highlights its reduced ash content (Mid SAPS), preventing the obstruction of systems that include particle filters, in addition to protecting the post-treatment catalytic systems and minimising polluting emissions. Its excellent composition gives it long-lasting lubricant status, with extraordinarily long periods between oil-changes. It is compatible with all types of fuels (diesel, LPG, CNG and biodiesel), and due to its characteristics, it is the ideal oil for mixed fleets. Valid for Euro 5 engines and older.

Properties

- It can be used when using biodiesel as fuel, in accordance with the manufacturer's recommended change periods.
- The limited phosphorus and sulphur content, and the low level of sulphated ash, enable it to be used in most vehicles, as it is compatible with SCR catalysts or those that include EGR and particle filters.
- It can be used both in the modern Euro 5 or Euro 4 vehicles that include exhaust fume treatment systems, and in old vehicles that do not require ash-limiting oils.
- Long-lasting oil. The exclusive additive in this product enables it to exceed the minimum requirements in most engine tests.
- Approved by most European, American and Asian vehicle manufacturers, it can also be used as an oil in commercial vehicles equipped with a retarder.

Quality level

- ACEA E6/E4/E7
- API CI-4
- MB 228.51/235.27
- MAN 3477/3271-1
- RENAULT VI RXD, RLD/RLD-2, RGD
- MTU Type 3.1
- VOLVO VDS-3/CNG
- SCANIA LOW ASH
- DAF EXTENDED DRAIN
- MACK EO-N
- CAT ECF-1-a
- JASO DH-2
- VOITH Retarder Oil Class A

Technical specifications

	UNIT	METHOD	VALUE
SAE Grade			10W40
Density at 15°C	g/cm ³	ASTM D 4052	0,864
Viscosity at 100°C	cSt	ASTM D 445	13.15
Viscosity at 40°C	cSt	ASTM D 445	85
Viscosity at -25°C	cP	ASTM D 5293	7000 max
Viscosity Rate	-	ASTM D 2270	152
Flash point, open cup	°C	ASTM D 92	225 min.
Pour point	°C	ASTM D 97	-30 max
T. B. N.	mg KOH/g	ASTM D 2896	12 min.
Bosch Injector Shearing: Viscosity at 100°C after shear	cSt	CEC-L-14-93	12,5 min
Sulphated ashes	% in weight	ASTM D 874	1 max.

■ 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, visors or glasses is recommended to avoid danger from 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. Give water. Get medical help.

Contact with the skin: Wash thoroughly with soap and water.

Eyes: Wash thoroughly with water.

General measures: Get medical help.

■ Fire-Fighting Measures

No special measures required.

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

■ Environmental precautions

Danger of physical pollution if spilt (water, 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 spreading 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 the technical specifications should be considered typical.