

# DIESEL TURBO VHPD MID SAPS 5W-30



AUTOMOTIVE

Lubricants

## Description

Synthetic lubricant oil with Mid Saps technology adapted to the needs of modern heavy vehicle engines. Its reduced ash content makes it suitable for engines equipped with particle filters. Its viscosity and special additives contribute to lower fuel consumption. This is a lubricant that is recommended for engines that comply with the EURO VI and EURO V regulations on pollutant emissions.

## Properties

- Very long-lasting lubricating oil with post-treatment systems for exhaust gases that enable maintenance costs and waste generation to be reduced.
- The Mid Saps technology (average ash) ensure performance and durability of modern engines equipped with particle filters by preventing premature obstruction of the latter.
- It is suitable as a lubricant for Euro 6 engines or earlier versions, due to its quality and performance level.
- It can be used when using CNG, LPG and biodiesel as fuel, in accordance with the manufacturer-recommended changes.
- Results show fuel savings of over 450 litres/year compared to other 10W40 oils on the market (\*)

(\*) Data obtained with an average estimate of a truck that travels 150,000 km/year.

## Quality levels

- API CJ-4/SN
- MAN M3677/M3477/M3271-1
- ACEA E6/E7/E9
- VOLVO VDS-4/VDS-3/CNG
- SCANIA LOW ASH
- SCANIA LDF-4
- MB 228.51/228.31
- RENAULT RXD, RLD-3, RLD-2/RGD
- CUMMINS CES 20081
- MACK EO-O Premium Plus/EO-N/EO-M Plus
- MTU Type 3.1
- CAT ECF-3/ECF-2/ ECF-1-a
- JASO DH-2
- DEUTZ DQC IV-10 LA
- VOITH Retarder oil Class B

## Technical specifications

	UNIT	METHOD	VALUE
SAE GRADE			5W-30
Density at 15 °C	g/cm <sup>3</sup>	ASTM D 4052	0.855
Viscosity at 100 °C	cSt	ASTM D 445	11.7
Viscosity at 40 °C	cSt	ASTM D 445	68
Viscosity at -30 °C	cP	ASTM D 5293	6600 máx
Viscosity index	-	ASTM D 2270	164
Flash point, open cup	° C	ASTM D 92	215 mín
Pour point	° C	ASTM D 97	-40 máx
T. B. N.	mg KOH/g	ASTM D 2896	10
Bosch Injector Shearing:			
Viscosity at 100 °C after 90 cycle shear	cSt	CEC-L-14-93	9.3 mín
Sulphated ashes	% weight	ASTM D 874	0.9

A safety data sheet is available on request.

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Technical data sheet for Lubricants. Revision 6. Nov 2018