



Description

Lubricant oil with MID SAPS synthetic technology designed to meet the most demanding requirements of state-of-the-art diesel engines (EURO VI). Its reduced ash content ensures suitable operation in engines with exhaust gas post-treatment systems, such as particle filters. Especially recommended for engines requiring a quality level of API CK-4, ACEA E9 and using fuel with low sulfur content.

Furthermore, due to its viscosity and additivation, it contributes to fuel saving and helps to protect the environment.

Properties

- Long lasting lubricant oil suitable for exhaust gas post-treatment systems, which enables the reduction of maintenance costs and waste generation.
- It can be used in combination with GNC, GLP and biodiesel fuel, in accordance with the recommended drain intervals periods established by the manufacturers.
- Its Mid Saps (mid ash) technology ensures performance and durability of modern engines equipped with particle filters by preventing their premature obstruction.
- Due to its level of quality and performance, this lubricant is suitable for the most modern EURO VI engines and earlier models.
- Its formula has been shown to decrease fuel consumption, contributing to protect the environment.

Quality levels, approvals and recommendations

- ACEA E7, E9, E11
- API CK-4, CJ-4, CI-4, CI-4 PLUS*
- CATERPILLAR CAT ECF-3
- CUMMINS CES 20086
- DAIMLER TRUCK DTRF 15C100*
- DEUTZ DQC III-18 LA*
- DTNA DFS 93K222*
- MACK EOS-4.5*
- MAN M 3775*
- MB 228.31*
- MTU Type 2.1*
- RENAULT VI RLD-3*
- VOLVO VDS-4.5*

*Formal approval

Technical specifications

	UNIT	METHOD	VALUE
SAE Grade			10W-30
Density at 15 °C	g/cm3	ASTM D4052	0.866
Kinematic viscosity at 40 °C	cSt	ASTM D445	82
Kinematic viscosity at 100 °C	cSt	ASTM D445	12
CCS Viscosity at -25 °C	cP	ASTM D5293	<7,000
Viscosity index	-	ASTM D2270	141
Flash point, open cup	°C	ASTM D92	232
Pour point	°C	ASTM D97	-45
Shearing Inj.Bosch: Vis 100 °C (90 cy)	cSt	CEC L-14-93	>9.3
Sulphated ashes	% in weight	ASTM D874	0.9
TBN	mg KOH/g	ASTM D2896	8.9

The above mentioned characteristics are typical values and should not be considered product specifications.