

## 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 minimizing 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 VI 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 VI or Euro V 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 levels, approvals and recommendations

- ACEA E4/E6/E7/E9
- API CJ-4\*
- MB 228.51/235.28\*
- MAN 3477/3575/3271-1\*
- MTU Type 3.1\*
- VOLVO VDS-4\*
- SCANIA LOW ASH\*
- RENAULT RLD-3\*
- MACK EO-O Premium Plus\*
- CUMMINS CES 20081\*
- CATERPILLAR CAT ECF-3
- DETROIT DIESEL 93K218\*
- JASO DH-2\*
- VOITH Retarder Oil Class B\*
- DEUTZ DQC IV-10 LA\*

\*Formal approval

## Technical specifications

	UNIT	METHOD	VALUE
SAE Grade			10W-40
Density at 15 °C	g/cm3	ASTM D 4052	0.859
Viscosity at 100 °C	cSt	ASTM D 445	13.3
Viscosity at 40 °C	cSt	ASTM D 445	86
Viscosity at -25 °C	cP	ASTM D 5293	<7000
Viscosity index	-	ASTM D 2270	155
Flash point, open cup	°C	ASTM D 92	>223
Pour point	°C	ASTM D 97	<-30
T. B. N.	mg KOH/g	ASTM D 2896	13
Bosch Injector Shearing: after shear	Viscosity at 100 °C	CEC-L-14-93	>12.5
Sulphated ashes	% weight	ASTM D 874	<1.0

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