



ASTRIS DIESEL FE

SAE 10W-30

Synthetic high-performance diesel engine oil with reduced ash content, for EURO IV, EURO V and EURO VI heavy duty diesel engines, with or without exhaust gas after-treatment systems

High-performance engine oil with "low SAPS" technology, especially developed to meet the strict requirements of the specification Volvo VDS 4.5 as well as API CK-4.

Increasingly stringent standards for the reduction of harmful emissions, as well as the general endeavor to reduce operating costs by reducing fuel consumption, lead to an increased demand for state-of-the-art engine oils.

Additive components of the latest technology as well as selected synthetic base oils give this product a very high quality and allow extended oil drain intervals while maintaining a consistent and reliable wear protection. This lubricant offers also important fuel economy properties, contributing to the reduction of pollutant emissions

Properties and features

- Modern formulation, based on synthetic base oils and the latest additive technology.
- Low **SAPS**: significantly reduced **Sulphated Ash**, **Phosphorus** and **Sulphur** content.
- Specially suitable for diesel particulate filters (DPF) and exhaust gas after-treatment systems.
- Optimal wear protection and resistance against oxidation, even with extended oil change intervals.
- Optimum engine and piston cleanliness: protects against sludge formation at low temperatures and high-temperature deposits.
- Reduces fuel consumption and pollutant emissions

Use

Synthetic engine oil for heavy duty diesel engines with extended oil change intervals, in commercial vehicles and construction machines. Especially recommended for engines which are equipped with exhaust gas after-treatment systems.

The product meets, among other, the requirements of the latest truck engines of Volvo Group as well as those according to API CK-4.

This oil also meets the API SN specification; it can also be used in gasoline engines.

Observe manufacturer's specifications and instructions before use.



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Specifications / Performance level

ACEA E9	VOLVO VDS-4.5
API CK-4	MB 228.31
API SN	MAN M3575
	MTU Typ 2.1
	RENAULT VI RLD-3
	DEUTZ DQC III-10 LA
	CATERPILLAR ECF-3, ECF-2, ECF-1-a
	DAF (ACEA E9)
	CUMMINS CES 20086
	MACK EO-S-4.5
	DETROIT DIESEL DFS 93K222

Technical data	Unit	Method
Density at 15°C	0.869 g/cm ³	ASTM D 4052
Viscosity at 40°C	81.5 mm ² /s	ASTM D 445
Viscosity at 100°C	11.9 mm ² /s	ASTM D 445
Viscosity index	142	ASTM D 2270
Viscosity at -25°C (CCS)	6000 cP	ASTM D 5293
TBN	9.5 mgKOH/g	ASTM D 2896
Sulphated ash	1.0 Weight %	ASTM D 874
Flash point C.O.C.	230 °C	ASTM D 92
Pour point	-39 °C	ASTM D 97

Health, safety and environment

ADR / SDR : Not dangerous

EU Waste List Code : 13 02 08