



ASTRIS DPF PLUS C1

SAE 5W-30 low SAPS

Synthetic fuel saving engine oil for cars with and without Exhaust After-Treatment System

High-performance fuel saving engine oil with low-ash technology (low SAPS), developed for gasoline and diesel engines of modern passenger cars, particularly suited for diesel engines with particulate filter.

This oil belongs to the ACEA C1 category, requiring an even greater reduction in ash, phosphorus and sulphur content than categories C2 and C3.

The introduction of the EURO 4 and subsequent editions of exhaust gas standards for passenger car engines, has led to the development of new engines and emission control systems, which also necessitated a new generation of engine oils. In order to fulfil these exhaust gas standards, the engines are equipped with diesel particulate filters (DPF).

These emission control systems have to reliably fulfil their function over a very long period of use and must not be negatively affected or rendered ineffective by components of the engine oil.

In order to fulfil these requirements, new engine oils have been developed which have a lower **Sulphated Ash, Phosphorus and Sulphur** content (low SAPS).

The low-ash technology keeps the engine and the DPF clean and ensures a significant reduction in particulate emissions.

Engine oils according to ACEA C1 must contain maximum 0.5% of sulphated ash, 0.5% of phosphorus and 0.2% of sulphur.

Properties and features

- The extreme reduction in the ash content keeps the diesel particulate filter clean.
- The low phosphorus and sulphur values extend the service life of the catalytic converters for gasoline engines.
- Best possible wear protection and outstanding oxidation resistance.
- Special viscosity index improvers give this engine oil exceptional shear stability properties.
- Deeply viscous engine oil with reduced HTHS viscosity (**H**igh **T**emperature **H**igh **S**hear) and low friction values which enables a reduction of fuel consumption and CO₂ emissions.

Use

Fuel economy engine oil, produced with the latest "low SAPS" technology.

Particularly suited for diesel engines, with or without particulate filters, as well as for gasoline engines of modern passenger cars.

This engine oil quality may only be used if the ACEA C1, A5/B5 or A1/B1 specification is stipulated, e.g. for many Mazda motors.

This engine oil may **not** be used in all engines.

Observe manufacturer's specifications and instructions before use.



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Specifications / Performance level

ACEA 2016: C1
ACEA 2007: A5/B5
JASO DL-1

Technical data	Unit	Method
Density at 15°C	0,853 g/cm ³	ASTM D 1298
Viscosity at 40 °C	53 mm ² /s	ASTM D 445
Viscosity at 100 °C	9,6 mm ² /s	ASTM D 445
Viscosity index	169	ASTM D 2270
Viscosity at – 30°C (CCS)	4500 cP	ASTM D 5293
HTHS Viscosity at 150°C	2,95 mgKOH/g	CEC-L-36-A-97
TBN	5,9 % mass	ASTM D 2896
Sulphated ash	max 0,5 °C	ASTM D 874
Flash point C.O.C.	218 °C	ASTM D 92
Pour point	-36	ASTM D 97
NOACK evaporation loss	12 % mass	CEC-L-40-A-93

Health, safety and environment

ADR / SDR : Not dangerous

EU Waste List Code : 13 02 08