



OPIS series

SAE 0W-40 - Fully Synth (PAO)

Fully Synthetic high performance engine oil

Fully synthetic high-performance engine oil with extreme multi-grade properties for gasoline and diesel engines of passenger cars.

This top-quality motor oil satisfies the requirements of modern engines and is recommended for gasoline and diesel engines of passenger cars and light duty commercial vehicles.

Particularly suited for high thermal and mechanical loads.

Properties and features

- Optimum lubrication reliability, also under hot and difficult operating conditions.
- Very good cold start properties for a rapid lubrication of the entire engine and consequently reduction of cold-start wear.
- Effective wear protection at high thermal stress as well as at low temperatures.
- Maximum thermal and shear stability.
- Very good engine cleanliness.
- The reduced friction values ensures better performance and lower oil consumption.

Use

Fully synthetic high-performance engine oil for modern low-emission gasoline and diesel engines in cars and light commercial vehicles. This oil is well suited for extreme driving conditions as well as for normal use. It is recommended for engines with and without turbochargers or multi-valve technology, as well as for diesel engines with or without direct fuel injection.

Observe manufacturer's specifications and instructions before use.

Specifications

ACEA 2012: A3/B3, A3/B4
API SN, SM, SL/CF

Performance level:

BMW LL-01
MB 229.5, 229.3
Porsche A40
VW 502 00, 505 00

Technical data

Technical data	Unit	Method
Density at 15°C	0.844 g/cm ³	ASTM D 1298
Viscosity at 40 °C	75 mm ² /s	ASTM D 445
Viscosity at 100 °C	13.5 mm ² /s	ASTM D 445
Viscosity index	180	ASTM D 2270
Viscosity at – 35°C (CCS)	5600 cP	ASTM D 5293
HTHS-viscosity	3.6 mPa·s (cP)	CEC-L-36-A-97
TBN	11.2 mgKOH/g	ASTM D 2896
Sulphated ash	1.2 % mass	ASTM D 874
Flash point C.O.C.	224 °C	ASTM D 92
Pour point	-48 °C	ASTM D 97
NOACK evaporation loss	10.2 % mass	CEC-L-40-A-93

Health, safety and environment

ADR / SDR : Not dangerous

EU Waste List Code : 13 02 08