



## HELIOS series

# SAE 0W-50 - Fully Synth (PAO + ESTER)

### Fully Synthetic high performance engine oil

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

#### Properties and features

- Optimum lubrication reliability, also under hot and difficult operating conditions.
- Excellent cold start properties.
- 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

For gasoline and diesel engines in passenger cars, with or without turbo.

This fluid is also recommended in heavy-duty engines exposed to high thermal loads.

#### Observe manufacturer's specifications and instructions before use

#### Specifications

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

#### Performance level:

VW 502 00, 505 00  
MB 229.5

#### Technical data

Technical data	Unit	Method
Density at 15°C	0,845 g/cm <sup>3</sup>	ASTM D 1298
Viscosity at 40 °C	104 mm <sup>2</sup> /s	ASTM D 445
Viscosity at 100 °C	18.2 mm <sup>2</sup> /s	ASTM D 445
Viscosity index	195	ASTM D 2270
Viscosity at – 35°C (CCS)	max 6000 cP	ASTM D 5293
TBN	11.1 mgKOH/g	ASTM D 2896
Sulphated ash	1,3 % mass	ASTM D 874
Flash point C.O.C.	226 °C	ASTM D 92
Pour point	-45 °C	ASTM D 97
NOACK evaporation loss	11.3 % mass	CEC-L-40-A-93

#### Health, safety and environment

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ADR / SDR : Not dangerous

EU Waste List Code : 13 02 08