



Product certificate

AVENO SHPD 10W-30

0002-000092

Description

AVENO SHPD 10W-30 is a multi-grade engine oil on the basis of selected additives. It can be used in petrol and diesel engines including turbo versions.

AVENO SHPD 10W-30 meets the requirements of SAE class 10W-30. A good lubrication film is guaranteed, even at high temperatures.

Instructions for use

AVENO SHPD 10W-30 is especially suitable for engines with already high mileages. The operating instructions of the automobile and engine manufacturer must be observed.

Quality classification

Specification

- ACEA A3/B4
- ACEA E3/E5/E7
- API CI-4/SL
- Global DHD-1
- JASO DH-1

AVENO SHPD 10W-30 is tried and tested in practice in aggregates requiring adherence to manufacturer's fluid specifications:

- Caterpillar ECF-2
- Cummins CES 20071/20072/20076/20077/20078
- DAF
- DDC 93K215
- Deutz DQC III-10
- Mack EO-N
- MAN M 3275-1
- MB 228.3
- MTU Type 2
- Renault VI RLD-2
- Volvo VDS-3

Properties

- A very stable and excellent viscosity-temperature behavior
- High oxidation stability
- High safety margin even in boundary lubrication
- Ideal for difficult operating conditions
- Excellent cold starting properties
- Reduction of black sludge formation
- Good shear stability
- Suitable for catalytic converters
- Excellent detergent and dispersant properties

Technical specifications

Properties	Data	Unit	Testing under
kinematic viscosity at 40°C	79,7	MM ² /S	DIN ISO 51562-2:1988-12
kinematic viscosity at 100°C	12,0	MM ² /S	DIN ISO 51562-2:1988-12
viscosity index	145		DIN ISO 2909:2004-08
appearance	YELLOW		VISUELL
density at 15°C	868	KG/M ³	DIN EN ISO 12185:1997-11
Pour Point	-39	°C	ASTM D 7346:2015

All declared values are approximate and subject to standard production variations.

To the best of our knowledge all information reflects the current state of findings and our development. Subject to change. Any reference to DIN standards are solely for product description purposes and do not represent a guarantee. If problems arise, please consult a technician.