

# Product Information

## AVENO Mid SAPS SHPD 10W-30

0002-000093



### Description

AVENO Mid SAPS SHPD 10W-30 is a multi-grade engine oil on the basis of selected additives. It is ideally suited to diesel lorry engines, including with turbo charging. AVENO Mid SAPS 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 Mid SAPS SHPD 10W-30 is especially recommended for engines with particle filters. Extended oil change intervals as per manufacturer's instructions. The operating instructions of the automobile and engine manufacturer must be observed.

### Quality classification

#### Specification

- API CK-4/CF
- ACEA E9/E11
- API SN

#### Recommendation

- Caterpillar ECF-2/ECF-3
- DTFR 15C100 (228.31)
- Cummins CES 20081
- MAN M 3575
- DDC 93K218
- MTU Type 2.1
- Deutz DQC III-10 LA
- Renault VI RLD-3
- Ford WSS-M2C171-F1
- Volvo VDS-4
- Mack EO-O Premium Plus

### Properties

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

### Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	77,5	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	12,0	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Viscosity Index	150		DIN ISO 2909:2004-08
Appearance	YELLOWBROWN		VISUELL
Viscosity CCS at -25°C	5960	mpa*s	ASTM D 5293:2020
Density at 15°C	865	kg/m <sup>3</sup>	DIN EN ISO 12185:1997-11
Pour Point	-42	°C	ASTM D 7346:2015
Total Base Number (TBN)	7,6	mgkoh/g	ASTM D 2896:2015