

# Product Information

## AVENO Low SAPS HD Excellence 10W-30

0002-000350



### Description

AVENO Low SAPS HD Excellence 10W-30 is a fully synthetic, economic, long-life engine oil for commercial vehicles with a turbo diesel engine. It is characterized by an increased oxidation stability and shear stability as well as an improved air separation capacity to meet and exceed the most up-to-date requirements according to API CK-4. AVENO Low SAPS HD Excellence 10W-30 was specifically developed for the newest generation of Euro IV, V and VI diesel engines with exhaust gas treatment and particulate filters. Extended oil change intervals as per manufacturer's instructions.

### Instructions for use

AVENO Low SAPS HD Excellence 10W-30 meets, and in some cases, surpasses, the requirements of a multitude of global industrial and manufacturer specifications. AVENO Low SAPS HD Excellence 10W-30 is suitable in particular for use in mixed vehicle fleets with Euro 2, 3, 4, 5 and 6 engines and therefore offers the optimal solution for reducing the number of products required. The operating instructions of the engine manufacturers must be observed.

### Quality classification

#### Specification

- API CK-4/SN
- ACEA E6/E7/E8/E9/E11

#### Approval

- API CK-4
- DTFR 15C110 (228.51)
- Mack EOS-4.5
- Renault VI RLD-3
- VOLVO VDS-4.5

#### Recommendation

- Caterpillar ECF-3
- Cummins CES 20081/20086
- DAF PSQL 2.1E LD
- DDC 93K218, DDC 93K222
- Deutz DQC IV-10 LA
- MAN M 3271-1/M 3775
- MAN M 3677/M 3477
- MTU Typ 3.1
- Scania Low Ash

### Properties

- A very stable, excellent viscosity behavior, and high shear stability
- Very good detergent and dispersing properties
- Low evaporation, thus low oil consumption
- Excellent cold starting properties
- Low SAPS = low sulphated ash, phosphorous and sulphur
- Fuel savings in all operating conditions
- Maintains the effectiveness of exhaust treatment systems on a long term basis
- Extended oil change intervals protect natural resources
- May be used in many commercial vehicles as well as in vehicles without diesel particulate filters

### Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	81.3	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	12.2	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Viscosity Index	145		DIN ISO 2909:2004-08
Appearance	BROWN		VISUELL
Viscosity CCS at -25°C	6340	mPa*s	ASTM D 5293:2020
Density at 15°C	866	kg/m <sup>3</sup>	DIN EN ISO 12185:1997-11
Pour Point	-39	°C	ASTM D 7346:2015
Total Base Number (TBN)	10.0	mgKOH/g	ASTM D 2896:2015