

# Product Information

## AVENO HD Diesel Premium 15W-40

0002-000538



### Description

AVENO HD Diesel Premium 15W-40 is a universal engine oil on a basis of selected base oils combined with the latest additives for all diesel engines with or without turbo-charging in lorries, buses and machinery. With AVENO HD Diesel Premium 15W-40 a motor oil was developed, which meets the latest manufacturer requirements.

### Instructions for use

AVENO HD Diesel Premium 15W-40 is an engine oil suitable for year-round use. It was designed for the new exhaust emission guidelines including for vehicles with exhaust gas recirculation systems. AVENO HD Diesel Premium 15W-40 offers superior performance in the areas of wear control, piston deposits and oil thickening. It also reduces the risk of expensive turbocharger or hardware repairs by means of a superior motor protection.

### Quality classification

#### Specification

- ACEA E7/E9/E11
- API CK-4/SN
- JASO DH-2

#### Approval

- Mack EOS-4.5
- Renault VI RLD-3
- VOLVO VDS-4.5

#### Recommendation

- Caterpillar ECF-3
- Cummins CES 20081/20086
- DDC 93K218, DDC 93K222
- Deutz DQC III-10 LA
- Ford WSS-M2C171-E/-F1
- DTFR 15C100 (228.31)
- John Deere JDQ 78 X
- MAN M 3275/M 3575
- MTU Type 2.1

### Properties

- Best oxidation stability
- Economy through low fuel consumption
- High wear protection
- Neutrality against seals
- Outstanding high temperature stability
- Very good detergent and dispersant properties
- Excellent cold start behavior even at low temperatures
- Very good viscosity-temperature behavior

### Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	116.1	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	15.6	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Viscosity Index	142		DIN ISO 2909:2004-08
Appearance	REDBROWN		VISUELL
Viscosity CCS at -20°C	5400	MPAS	ASTM D 5293:2020
Density at 15°C	869	kg/m <sup>3</sup>	DIN EN ISO 12185:1997-11
Pour Point	-39	°C	ASTM D 7346:2015
Total Base Number (TBN)	10.1	mgKOH/g	ASTM D 2896:2015