

# Product Information

## AVENO SHPD Diesel 15W-40

0002-000082



### Description

AVENO SHPD Diesel 15W-40 is a high-quality SHPD multi-grade engine oil for diesel car and lorry engines of all makes, with or without turbocharging. It is suitable for year-round use in all engines. Minimization of friction, wear and fuel consumption, excellent cold starting properties. AVENO SHPD Diesel 15W-40 facilitates extended oil change intervals as per manufacturer's instructions.

### Instructions for use

AVENO SHPD Diesel 15W-40 can be used in a mixed fleet in engines with the specifications indicated. It is suitable for modern diesel vehicles that meet the Euro V emission standard. The operating instructions of the automobile and engine manufacturer must be observed.

### Quality classification

#### Specification

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

#### Approval

- API CI-4/SL
- Cummins CES 20076/20077/20078
- DTFR 15B110 (228.3)
- Mack EO-N
- Renault VI RLD-2
- VOLVO VDS-3

#### Recommendation

- Allison C-4
- Caterpillar ECF-1a/ECF-2
- Caterpillar TO-2
- Cummins CES 20071/20072
- DDC 93K215
- MB 229.1
- Deutz DQC III-18
- Iveco 18-1804 T2 E7
- MAN M 3275-1
- MB 228.1
- MTU Type 2

### Properties

- A very stable and excellent viscosity behavior
- An excellent resistance to aging
- Ideal for difficult operating conditions
- High oxidation stability, high pressure absorption capacity
- High safety margin even in boundary lubrication
- Extended oil change intervals protect natural resources

### Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	101.1	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	14.2	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Viscosity Index	144		DIN ISO 2909:2004-08
Appearance	YELLOWBROWN		VISUELL
Viscosity CCS at -20°C	5421	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)	11.0	mgKOH/g	ASTM D 2896:2015