



AVENO SHPD Diesel 15W-40

AVENO SHPD Diesel 15W-40 is a high-quality, wide-application SHPD engine oil for diesel and truck engines of all brands, with or without turbocharging. Suitable for year-round use in all engines. It minimizes friction, extends engine life and reduces fuel consumption, has excellent cold start properties. AVENO SHPD Diesel 15W-40 allows extended drain intervals in accordance with the manufacturer's instructions.

Instructions for use

AVENO SHPD Diesel 15W-40 can be used in a mixed fleet with engines with the indicated requirements. Suitable for modern diesel vehicles that comply with the Euro V emission standard. Follow the vehicle and engine manufacturer's operating instructions.

Quality classification

Specification

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

Approvals

- API CI-4/SL
- Cummins CES 20076/20077/20078
- Mack EO-N
- MB-Approval 228.3
- MB-Approval 229.1
- Renault VI RLD-2
- VOLVO VDS-3

Recommendations

- Allison C-4
- Caterpillar ECF-1a/ECF-2
- Caterpillar TO-2
- Cummins CES 20071/20072

- DDC 93K215
- Deutz DQC III-10
- Iveco 18-1804 T2 E7
- MAN M 3275-1
- MB 228,1
- MTU Type 2

Properties

- Very stable and excellent viscosity retention.
- Excellent aging resistance.
- Ideal for tough working conditions.
- High oxidation stability, high pressure absorption capacity.
- High margin of safety even with boundary lubrication.
- Extended drain intervals conserve natural resources.

Technical Specifications

Property	Value	Unit	Testing method
Kinematic viscosity at 40°C	101.1	mm ² /s	DIN 51659-02:2017-02
Kinematic viscosity at 100°C	14.2	mm ² /s	DIN 51659-02:2017-02
Viscosity index	144		ISO 2909:2004-08
Appearance	YELLOW-BROWN		VISUAL
CCS viscosity at -20°C	5421	Mpas	ASTM D 5293:2020
Density at 15°C	869	kg/m ³	DIN EN ISO 12185:1997-11
Pour point	-39	°C	ASTM D 7346:2015
Total Base Number (TBN)	11.0	Mg/koh/g	ASTM D 2896:2015