



## **AVENO ECO HD 15W-40**

AVENO ECO HD 15W-40 is a high quality universal SHPD engine oil for diesel and truck engines of all brands, with or without turbocharging. AVENO ECO HD 15W-40 is suitable for year-round use in all engines. It minimizes friction, wear of cooperating elements as well as fuel consumption, has excellent cold start properties. AVENO ECO HD 15W-40 makes it possible to extend the intervals between oil changes in accordance with the manufacturer's instructions.

### **Instructions for use**

AVENO ECO HD 15W-40 can be used in a mixed fleet with engines of the specification indicated. 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

#### **Recommendation**

- Allison C-4
- Caterpillar ECF-1a/ECF-2
- Caterpillar TO-2
- Cummins CES 20071/20072/20076/20077/20078
- DDC 93K215
- Deutz DQC III-10
- Iveco 18-1804 T2 E7
- Mack EO-N
- MAN M 3275-1
- MB 229.1, MB 228.3, MB 228.1
- MTU Typ 2
- Renault VI RLD-2
- Volvo VDS-3

## Properties

- Very stable and excellent viscosity.
- 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

Properties	Value	Unit	Testing method
Kinematic viscosity at 40°C	115.2	mm <sup>2</sup> /s	DIN 51659-02:2017-02
Kinematic viscosity at 100°C	15.0	mm <sup>2</sup> /s	DIN 51659-02:2017-02
Viscosity index	136		ISO 2909:2004-08
Appearance	YELLOW-BROWN		VISUAL
CCS viscosity at -20°C	6300	mpas	ASTM D 5293:2020
Density at 15°C	884	kg/m <sup>3</sup>	DIN EN ISO 12185:1997-11
Pour point	-33	°C	ASTM D 7346:2015
Total Base Number (TBN)	10.8	mgkoh/g	ASTM D 2896:2015