Product Information

AVENO Universal UHPD 10W-40

0002-000103

Description

AVENO Universal UHPD 10W-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 turbocharging in lorries, buses and machinery. AVENO Universal UHPD 10W-40 was developed as a UHPD (Ultra High Performance Diesel) engine oil with specific requirements on the diesel particulate filter for LOW SAPS technology. Low sulphur, phosphorus and ash content.

Instructions for use

AVENO Universal UHPD 10W-40 is a high-performance engine oil suitable for year-round use. It was designed for the new exhaust emission guidelines including for vehicles with exhaust gas recirculation systems. Universal UHPD 10W-40 is universally applicable in all diesel engines with and without turbocharging. Suitable for EURO I, II, III, IV, V and EURO VI engines.

Quality classification

Specification

- ACEA E6/E7/E9
- API CI-4
- JASO DH-2

Approval

- API CI-4
- Deutz DQC IV-18 LA
- DTFR 15C110 (228.51)
- Mack EO-N
- MTU Typ 3.1
- Renault VI RLD-2
- VOLVO VDS-3

Recommendation

- Caterpillar ECF-2
- Cummins CES 20076/20077/20078
- DAF HP-2
- MAN M 3477
- MAN M 3271-1, MAN M 3277
- Renault VI RXD/RGD
- Scania Low Ash

Properties

- Excellent oxidation stability
- Efficiency due to low fuel consumption
- Excellent cold starting performance
- Neutrality towards sealants
- High wear protection
- Very good high-temperature stability
- Excellent detergent and dispersant properties
- A fast engine lubrication even at low temperatures
- Very good viscosity and temperature behavior

Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	98.0	mm²/s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	14.6	mm²/s	DIN 51659-2:2017-02
Viscosity Index	154		DIN ISO 2909:2004-08
Appearance	YELLOWBROWN		VISUELL
Viscosity CCS at -25°C	6400	mPa*s	ASTM D 5293:2020
Density at 15°C	860	kg/m³	DIN EN ISO 12185:1997-11
Pour Point	-39	°C	ASTM D 7346:2015
Total Base Number (TBN)	9.8	mgKOH/g	ASTM D 2896:2015

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