

Product Information

AVENO Heavy Duty FS 5W-40

0002-000113



Description

AVENO Heavy Duty FS 5W-40 is a high-alloyed smooth-running engine oil with synthetic base oils and selected additives. It is ideal for commercial vehicles. AVENO Heavy Duty FS 5W-40 guarantees a reliable cold start at extremely low temperatures, primarily in terms of the cold viscosity. Anti-wear properties as well as a reduction of friction losses. Extended oil change intervals as per manufacturer's instructions.

Instructions for use

AVENO Heavy Duty FS 5W-40 is used in diesel lorry engines with and without turbo charging. The operating instructions of the automobile and engine manufacturer must be observed.

Quality classification

Specification

- API CJ-4
- API SM
- ACEA E7/E9

Recommendation

- Caterpillar ECF-2/ECF-3
- Chrysler MS-10902
- Cummins CES 20081
- DDC 93K218, DDC 93K215, DDC 93K214
- Deutz DQC II-10 LA
- Mack EO-O Premium Plus
- DTFR 15C100 (228.31)
- Ford WSS-M2C171-F1
- MAN M 3575, MAN M 3275
- MTU Typ 1/Typ 2
- Renault VI RLD-3
- Volvo VDS-4

Properties

- An excellent temperature and viscosity behavior
- Very good wear protection
- Compelling detergent/dispersant properties
- High oxidation stability
- Ideal for difficult operating conditions
- Reduced evaporation
- Good cold starting properties
- Reduced fuel consumption

Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	90.3	mm ² /s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	14.5	mm ² /s	DIN 51659-2:2017-02
Viscosity Index	166		DIN ISO 2909:2004-08
Appearance	YELLOWBROWN		VISUELL
Viscosity CCS at -30°C	5900	mPa*s	ASTM D 5293:2020
Density at 15°C	852	kg/m ³	DIN EN ISO 12185:1997-11
Pour Point	-45	°C	ASTM D 7346:2015
Total Base Number (TBN)	10.0	mgKOH/g	ASTM D 2896:2015