

# Product Information

## AVENO Ultra USHPD 5W-30

0002-000112



### Description

AVENO Ultra USHPD 5W-30 is a high-alloyed USHPD smooth-running engine oil with synthetic base oils and selected additives. It is ideal for commercial vehicles. AVENO Ultra USHPD 5W-30 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.

### Instructions for use

AVENO Ultra USHPD 5W-30 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 CI-4/CF
- Global DHD-1
- ACEA E4/E7
- JASO DH-1

#### Recommendation

- Caterpillar ECF-2
- Cummins CES 20076/20078
- DAF
- Deutz DQC IV-10
- Ford WSS-M2C212-A1
- Iveco 18-1804 TFE
- MACK EO-N/EO-M Plus
- DTFR 15B120 (228.5), DTFR 13D110 (235.28)
- MAN M 3277
- MTU Typ 3
- Renault VI RLD-2/RXD
- Scania LDF-3
- Voith Retarder B
- Volvo VDS-3

### 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  | 68.5        | mm <sup>2</sup> /s | DIN 51659-2:2017-02      |
| Kinematic Viscosity at 100°C | 11.6        | mm <sup>2</sup> /s | DIN 51659-2:2017-02      |
| Viscosity Index              | 165         |                    | DIN ISO 2909:2004-08     |
| Appearance                   | YELLOWBROWN |                    | VISUELL                  |
| Viscosity CCS at -30°C       | 5780        | mPa*s              | ASTM D 5293:2020         |
| Density at 15°C              | 857         | kg/m <sup>3</sup>  | DIN EN ISO 12185:1997-11 |
| Pour Point                   | -39         | °C                 | ASTM D 7346:2015         |
| Total Base Number (TBN)      | 13.1        | mgKOH/g            | ASTM D 2896:2015         |