

# Product Information

## AVENO Ultra Low SAPS HD 5W-30

0002-000110



### Description

AVENO Ultra Low SAPS HD 5W-30 is a fully synthetic, economic, long-life engine oil for commercial vehicles with a turbo diesel engine. AVENO Ultra Low SAPS HD 5W-30 ensures the highest level of cleanliness in the engine lubricating system and the diesel particulate filter with Low SAPS Technology. It prevents the diesel particulate filter from clogging and ensures extended maintenance intervals and a reduction in fuel consumption. AVENO Ultra Low SAPS HD 5W-30 was specifically developed for the newest generation of Euro IV, V and VI diesel engines with exhaust gas treatment and particulate filters. Extended oil change intervals as per manufacturer's instructions.

### Instructions for use

AVENO Ultra Low SAPS HD 5W-30 meets, and in some cases, surpasses, the requirements of a multitude of global industrial and manufacturer specifications. AVENO Ultra Low SAPS HD 5W-30 is suitable in particular for use in mixed vehicle fleets with Euro 2, 3, 4, 5 and 6 engines and therefore offers the optimal solution for reducing the number of products required. The operating instructions of the engine manufacturers must be observed.

### Quality classification

#### Specification

- API CJ-4
- ACEA E4/E6/E7/E9

#### Approval

- DTFR 15C100 (228.31)
- DTFR 15C110 (228.51)
- MAN M 3677
- Scania LDF-4
- Mack EO-O Premium Plus
- Renault VI RLD-3
- VOLVO VDS-4

#### Recommendation

- Caterpillar ECF-3
- Cummins CES 20081
- DAF Extended Drain
- DDC 93K218
- Deutz DQC IV-10 LA
- Iveco 18-1804 TLS E6
- MAN M 3271-1
- MAN M 3477
- DTFR 13D110 (235.28)
- MAN M 3575
- MAN M 3691
- MTU Typ 3.1, MTU Typ 2.1
- Scania Low Ash
- Voith Retarder B
- VOLVO CNG

### Properties

- A very stable, excellent viscosity behavior
- High shear stability
- Low evaporation, thus low oil consumption
- Excellent cold starting properties
- Low SAPS = low sulphated ash, phosphorous and sulphur
- Fuel savings in all operating conditions
- Very good detergent and dispersing properties
- Maintains the effectiveness of exhaust treatment systems on a long term basis
- Extended oil change intervals protect natural resources
- May be used in many commercial vehicles as well as in vehicles without diesel particulate filters

### Technical specifications

| Properties                   | Data        | Unit               | Testing under            |
|------------------------------|-------------|--------------------|--------------------------|
| Kinematic Viscosity at 40°C  | 71,8        | mm <sup>2</sup> /s | DIN 51659-2:2017-02      |
| Kinematic Viscosity at 100°C | 12,2        | mm <sup>2</sup> /s | DIN 51659-2:2017-02      |
| Viscosity Index              | 168         |                    | DIN ISO 2909:2004-08     |
| Appearance                   | YELLOWBROWN |                    | VISUELL                  |
| Viscosity CCS at -30°C       | 5430        | mpa*s              | ASTM D 5293:2020         |
| Density at 15°C              | 858         | kg/m <sup>3</sup>  | DIN EN ISO 12185:1997-11 |
| Pour Point                   | -36         | °C                 | ASTM D 7346:2015         |
| Total Base Number (TBN)      | 12,0        | mgkoh/g            | ASTM D 2896:2015         |