

# Product Information

## AVENO HC Premium LS 5W-40

0002-001092



### Description

AVENO HC Premium LS 5W-40 is a high-performance low-friction engine oil for modern petrol and diesel engines in passenger cars and vans. It is particularly recommended for use in engines with turbochargers and multi-valve technology. Special additives prevent pre fuel ignition (LSPI - Low Speed Pre-Ignition) and thus protect the engine from damage. AVENO HC Premium LS 5W-40 is characterized by excellent cold start properties, minimization of fuel consumption, friction and wear. Due to the formulation with special base oils, AVENO HC Premium LS 5W-40 achieves a high viscosity index. The excellent cold start behavior ensures optimal lubrication during the cold running phase. By significantly saving fuel and reducing emissions, AVENO HC Premium LS 5W-40 helps protect the environment. Extended oil change intervals in accordance with the manufacturer's specifications

### Instructions for use

AVENO HC Premium LS 5W-40 was developed on HC-Baseoil to fully utilize the advantages of these base oils. AVENO HC Premium LS 5W-40 is a universal, synthetic low-friction engine oil that was specially developed for pump-nozzle diesel engines. AVENO HC Premium LS 5W-40 is particularly suitable for energy-saving year-round use in modern petrol and diesel engines in cars and vans with and without turbochargers. AVENO HC Premium LS 5W-40 is suitable for extended oil change intervals and extends the service life of the particulate filter. The operating instructions of the vehicle and engine manufacturers must be observed.

### Quality classification

#### Specification

- API SP/CF
- ACEA C3

#### Recommendation

- BMW Longlife-04
- dexos2™
- MB 229.31, MB 229.51, MB 229.52
- Opel OV0401547-D40 / G40
- VW 502 00/505 00/505 01
- Chrysler MS-11106
- Fiat 9.55535-S2/ -GH2
- Ford WSS-M2C917-A
- Porsche C40

### Properties

- Excellent cold start properties
- High fuel economy
- Very high wear protection
- Excellent oxidation stability through the use of high quality base oils
- Safe lubrication even at high operating temperatures
- Suitable for use in petrol and diesel engines from different manufacturers

### Technical specifications

| Properties                   | Data        | Unit               | Testing under            |
|------------------------------|-------------|--------------------|--------------------------|
| Kinematic Viscosity at 40°C  | 89.2        | mm <sup>2</sup> /s | DIN 51659-2:2017-02      |
| Kinematic Viscosity at 100°C | 14.7        | mm <sup>2</sup> /s | DIN 51659-2:2017-02      |
| Viscosity Index              | 173         |                    | DIN ISO 2909:2004-08     |
| Appearance                   | YELLOWBROWN |                    | VISUELL                  |
| Viscosity CCS at -30°C       | 6180        | mPa*s              | ASTM D 5293:2020         |
| Density at 15°C              | 849         | kg/m <sup>3</sup>  | DIN EN ISO 12185:1997-11 |
| Pour Point                   | -42         | °C                 | ASTM D 7346:2015         |
| Total Base Number (TBN)      | 6.5         | mgKOH/g            | ASTM D 2896:2015         |