



1 L | 1111117-001
4 L | 1111117-004
5 L | 1111117-005
10 L | 1111117-010
20 L | 1111117-020
20 L | 1111117-B20
60 L | 1111117-060
60 L | 1111117-D60
208 L | 1111117-208
208 L | 1111117-D28
1000 L | 1111117-700

RAVENOL HPS SAE 5W-30

Category Passenger car motor oil

Item number 1111117

Viscosity 5W-30

Specification ACEA A3/B4, API CF, API SL

Oil type Semi-Synthetic

Recommendation Synthetic, MB 229.3, VW 502 00, VW 505 00

Application Passenger car

Technology Clean Synto®

RAVENOL HPS SAE 5W-30 is modern high performance low friction semi synthetic hydrocrack hypersynth multigrade motor oil with CleanSynto® technology, formulated with PAO (Polyalphaolefines), for passenger car gasoline and diesel engines, with and without turbocharging and direct injection.

RAVENOL HPS SAE 5W-30 achieves a high viscosity index through its formulation with special base oils. The excellent cold start behaviour provides an optimum lubricating safety during the cold run phase.

Because of a considerable fuel saving **RAVENOL HPS SAE 5W-30** contributes to protect the environment by reducing the emissions.

RAVENOL HPS SAE 5W-30 minimizes friction, wear and fuel consumption with excellent cold start characteristics.

Suitable for extended oil change intervals where recommended by manufacturer.

Application Note

RAVENOL HPS SAE 5W-30 is low friction motor oil, which is suitable for performance motors. It is recommended for all modern passenger car gasoline and diesel engines, including turbo versions and for direct injection motors and also recommended for all operation conditions.

Characteristics

- Fuel economy in part and full power operation.
- Very stable and excellent viscosity behaviour.
- Excellent shear stability.
- Excellent cold starting characteristics.
- A safe lubricant film at high operating temperatures.
- Excellent detergent- and dispersant characteristics.
- High wear and corrosion protection, high

oxidation stability.

- Prevention of sludge formation.
- Extended lifetime because of oxidation stability.
- Suitable for catalysts.

Technical Product Data

| | | | |
|---|-----------|--------------------|-----------------|
| Density at 20 °C | 850,0 | kg/m ³ | EN ISO 12185 |
| Colour | gelbbraun | | VISUELL |
| Viscosity at 100 °C | 12,15 | mm ² /s | DIN 51562-1 |
| Viscosity at 40 °C | 70,9 | mm ² /s | DIN 51562-1 |
| Viscosity Index VI | 170 | | DIN ISO 2909 |
| HTHS Viscosity at 150 °C | 3,54 | mPa*s | ASTM D5481 |
| CCS Viscosity at -30 °C | 6140 | mPa*s | ASTM D5293 |
| Low Temp. Pumping viscosity (MRV) at -35 °C | 16.200 | mPa*s | ASTM D4684 |
| Pourpoint | -39 | °C | DIN ISO 3016 |
| Noack Volatility | 8,9 | % M/M | ASTM D5800 |
| Flashpoint | 242 | °C | DIN EN ISO 2592 |
| tbn | 11,0 | mg KOH/g | ASTM D2896 |
| Sulphated Ash | 1,18 | %wt. | DIN 51575 |

All indicated data are approximate values and are subject to the commercial fluctuations.

18.02.2022