# RAVENOL VSI SAE 5W-40

**Kategorie:** Passenger car motor oil

**Artikelnummer:** 1111130

**Viscosity:** 5W-40

**Specification:** ACEA A3/B4, API CF, API SN

**Oil type:** Fully synthetic

**Approvals:** API SN, MB-Freigabe 229.3, Porsche A40, Renault RN0700/RN0710, VW 502 00, VW 505 00

**Recommendation:** BMW Longlife-01, Chrysler MS-10850, Chrysler MS-10896, Fiat 9.55535-H2, MB 226.5, Opel/GM-LL-B-025, PSA B71 2296

**Application:** Passenger car

**Technology:** Clean Synto®, USVO®

**1L | 1111130-001**
**4L | 1111130-004**
**5L | 1111130-005**
**10L | 1111130-010**
**20L | 1111130-020**
**20L | 1111130-B20**
**60L | 1111130-060**
**60L | 1111130-D60**
**208L | 1111130-208**
**208L | 1111130-D28**
**1000L | 1111130-700**

**RAVENOL VSI SAE 5W-40** is a PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with especially USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection.

Due to the USVO® technology we achieve an extremely high viscosity stability. We avoid the disadvantages of polymeric viscosity improvers while taking advantage of them. This improves engine protection, performance, engine cleanliness and oil drain intervals. The USVO® technology makes it possible that the product has no shear losses during the entire change interval and is extremely stable to oxidation. This unique technology helps oil to be lubricated faster, thereby minimizing friction while keeping the engine clean and efficient.

With its new formulation, **RAVENOL VSI SAE 5W-40** provides a safe layer of lubrication even at very high operating temperatures and protects from corrosion and loss of oil through oxidation or coking. The excellent cold start behavior ensures optimum lubrication safety during the cold running phase.

By significantly reducing fuel consumption, **RAVENOL VSI SAE 5W-40** helps to protect the environment by reducing emissions.

**RAVENOL VSI SAE 5W-40** guarantees operational safety in all driving conditions, such as extreme stop-and-go traffic as well as high-speed highway driving.

**RAVENOL VSI SAE 5W-40** minimizes friction, wear and fuel consumption with excellent cold start characteristics.

Extended oil change intervals according to the manufacturer’s instructions.

## Application Note

**RAVENOL VSI SAE 5W-40** is suitable for the energy saving operation all the year of all modern cars with petrol and diesel engines and was specially developed for turbo chargers as well as the catalytic operation.

## Characteristics

- High abrasion resistance.
- Fuel saving because of easy running characteristics.
- Excellent detergent and dispersant characteristics.
- Prevention of black sludge creation.
- Long endurance because of high oxidation stability.
- Excellent cold start performance.
- Very good viscosity temperature behaviour.
- Low evaporation.
- Suitable for catalysts.

## Technical Product Data

| PROPERTY | UNIT | DATA | AUDIT |
|---|---|---|---|
| Density at 20 °C | kg/m³ | 843,0 | EN ISO 12185 |
| Colour | | gelbbraun | VISUELL |
| Viscosity at 100 °C | mm²/s | 14,1 | DIN 51562-1 |
| Viscosity at 40 °C | mm²/s | 85,3 | DIN 51562-1 |
| Viscosity Index VI | | 172 | DIN ISO 2909 |
| HTHS Viscosity at 150 °C | mPa*s | 3,84 | ASTM D5481 |
| CCS Viscosity at -30 °C | mPa*s | 4220 | ASTM D5293 |
| Low Temp. Pumping viscosity (MRV) at -35 °C | mPa*s | 18.600 | ASTM D4684 |
| Pourpoint | °C | -51 | DIN ISO 3016 |
| Noack Volatility | % M/M | 6,9 | ASTM D5800 |
| Flashpoint | °C | 238 | DIN EN ISO 2592 |
| tbn | mg KOH/g | 10,0 | ASTM D2896 |
| Sulphated Ash | %wt. | 1,39 | DIN 51575 |

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

**Alle angegebenen Daten sind ca. Werte und unterliegen handelsüblichen Schwankungen.**

06.12.2022