



# RAVENOL RRS SAE 5W-50

**Kategorie:** Passenger car motor oil

**Artikelnummer:** 1142100

**Viscosity:** 5W-50

**Oil type:** Full synthetic

**Recommendation:** Rennstrecken-Partner: Empfehlung Ralf Schumacher, Rennstrecken-Partner: Hockenheim Premium Partner, Rennstrecken-Partnerschaft: Nürburgring Tested

**Application:** Racing

**Technology:** USVO®, Racing



**RAVENOL RRS SAE 5W-50** is a modern, PAO (poly-alpha-olefin) based full synthetic multigrade engine oil with USVO® Technology for gasoline engines.

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.

Due to its high viscosity index, the associated very high shear stability and a highly effective special novel additive with tungsten, **RAVENOL RRS SAE 5W-50** is suitable for an extremely sporty driving style.

**RAVENOL RRS SAE 5W-50** utilizes the positive properties of tungsten to smooth the surface structure of the motor, reducing friction and wear, and significantly improving mechanical efficiency.

**RAVENOL RRS SAE 5W-50** achieves a secure lubrication layer thanks to its unique formulation even at very high operating temperatures, protection from corrosion (oxidation) and foaming.

1L | 1142100-001  
4L | 1142100-004  
5L | 1142100-005  
10L | 1142100-010  
20L | 1142100-020  
20L | 1142100-B20  
60L | 1142100-060  
60L | 1142100-D60  
208L | 1142100-208  
208L | 1142100-D28  
1000L | 1142100-700

## Application Note

**RAVENOL RRS SAE 5W-50** is ideally suited for car racing, even when subject to the highest levels of strain.

## Characteristics

- Ultra-modern full synthetic engine oil for car race with special tungsten additivation
- Safe lubricating layer at very high operating temperatures
- High HTHS value, very good shear stability
- Very stable and excellent viscosity behaviour
- Very low evaporation tendency
- Very good cold start characteristics
- Very good detergent and dispersant characteristics

- Good protection against corrosion and foam formation

## Technical Product Data

| PROPERTY                                    | UNIT               | DATA      | AUDIT           |
|---|--------------------|-----------|-----------------|
| Colour                                      |                    | gelbbraun | VISUELL         |
| Sulphated Ash                               | %wt.               | 1,28      | DIN 51575       |
| tbn   | mg KOH/g           | 10,2      | ASTM D2896      |
| Viscosity at 100 °C                         | mm <sup>2</sup> /s | 17,7      | DIN 51562-1     |
| Viscosity at 40 °C                          | mm <sup>2</sup> /s | 111,7     | DIN 51562-1     |
| Viscosity Index VI                          |                    | 175       | DIN ISO 2909    |
| CCS Viscosity at -30 °C                     | mPa*s              | 5386      | ASTM D5293      |
| Density at 20 °C                            | kg/m <sup>3</sup>  | 849,0     | EN ISO 12185    |
| Flashpoint                                  | °C                 | 243       | DIN EN ISO 2592 |
| HTHS Viscosity at 150 °C                    | mPa*s              | 4,53      | ASTM D5481      |
| Low Temp. Pumping viscosity (MRV) at -35 °C | mPa*s              | 22.900    | ASTM D4684      |
| Noack Volatility                            | % M/M              | 7,5       | ASTM D5800      |
| Pourpoint                                   | °C                 | -54       | DIN ISO 3016    |

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

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

05.06.2023