



# RAVENOL RCS Racing Competition Synto SAE 5W-40



1L | 1141090-001  
4L | 1141090-004  
5L | 1141090-005  
20L | 1141090-020  
20L | 1141090-B20  
60L | 1141090-060  
60L | 1141090-D60  
208L | 1141090-208

**Kategorie:** Passenger car motor oil

**Artikelnummer:** 1141090

**Viscosity:** 5W-40

**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 RCS Racing Competition Synto SAE 5W-40** is a modern, PAO (poly-alpha-olefin) based full synthetic multi-range engine oil with USVO® Technology.

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 the special mixture of synthetic, highly polar Group V base oils with a high proportion of high and low viscosity PAO, it could be formulated without the use of viscosity index improvers.

Due to its high viscosity index, its high HTHS value, extreme shear stability and a highly effective special novel additivation with molybdenum and tungsten, **RAVENOL RCS Racing Competition Synto SAE 5W-40** is also suitable for an extremely sporty driving style.

**RAVENOL RCS Racing Competition Synto SAE 5W-40** utilizes the positive properties of molybdenum and tungsten to smooth the surface structure of the motor, reducing friction and wear, and significantly improving mechanical efficiency.

**RAVENOL RCS Racing Competition Synto SAE 5W-40** achieves a secure lubrication layer thanks to its unique formulation even at very high operating temperatures, protection from corrosion (oxidation) and foaming.

## Application Note

**RAVENOL RCS Racing Competition Synto SAE 5W-40** is ideally suited for gasoline engines for car racing, even when subject to the highest levels of strain.

## Characteristics

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

## Technical Product Data

PROPERTY	UNIT	DATA	AUDIT
Density at 20 °C	kg/m <sup>3</sup>	848,0	EN ISO 12185
Colour		gelbbraun	VISUELL
Viscosity at 100 °C	mm <sup>2</sup> /s	15,03	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	93,9	DIN 51562-1
Viscosity Index VI		168	DIN ISO 2909
HTHS Viscosity at 150 °C	mPa*s	4,26	ASTM D5481
CCS Viscosity at -30 °C	mPa*s	6200	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35 °C	mPa*s	18.000	ASTM D4684
Pourpoint	°C	-57	DIN ISO 3016
Noack Volatility	% M/M	5,7	ASTM D5800
Flashpoint	°C	246	DIN EN ISO 2592
tbn	mg KOH/g	10,0	ASTM D2896
Sulphated Ash	%wt.	1,3	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.**

05.06.2023