



RAVENOL RCS SAE 5W-40

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

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.

The USVO® technology offers high performance, improved engine protection, reduced fuel consumption and optimized engine cleanliness for your vehicle. 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 Notes

RAVENOL RCS Racing Competition Synto SAE 5W-40 is used as a special oil for racing under heaviest conditions.

Specifications

Racetrack partnership: Nürburgring Tested, Hockenheim Premium Partner, Opel Motorsport, recommendation of Ralf Schumacher

Characteristic

RAVENOL RCS Racing Competition Synto SAE 5W-40 offers:

- Ultra-modern fully 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

Characteristics	Unit	Data	Audit
Density at 20°C	kg/m³	848,0	DIN 51757
Colour		yellow brown	visual
Viscosity at 100°C	mm²/s	15,03	DIN 51 562
Viscosity at 40°C	mm²/s	93,9	DIN 51 562
Viscosity index VI		168	DIN ISO 2909
HTHS 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 D 4684
Pourpoint	°C	- 57	DIN ISO 3016
Noack Volatility	% M/M	5,7	ASTM D5800
Flash point	°C	246	DIN ISO 2592
TBN	mg KOH/g	10	ASTM D2896
Sulphated ash	%wt.	1,3	DIN 51 575

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

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

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