

## - Certificate / Product Information -

### **RAVENOL RSE SAE 10W-50**

Art. 1141105

FULLY SYNTHETIC

RACING & USVO®

#### **Description:**

**RAVENOL RSE SAE 10W-50** is a modern, fully synthetic low friction multigrade engine oil with USVO® Technology, based on PAO (poly-alpha-olefin) and Ester.

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, extreme shear stability and a highly effective special novel additivation with tungsten, **RAVENOL RSE SAE 10W-50** is also suitable for extremely sporty driving styles.

**RAVENOL RSE SAE 10W-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 RSE SAE 10W-50** achieves a secure lubrication layer thanks to its unique formulation even at very high operating temperatures, protection from corrosion (oxidation) and foaming.

#### **Application Directions:**

**RAVENOL RSE SAE 10W-50** is ideally suited for gasoline engines for car racing, even when subject to the highest levels of strain and very high temperatures.

#### **Quality Classification:**

**RAVENOL RSE SAE 10W-50** is tried and tested for:

Race Partnerships: Nürburgring Tested, Hockenheim Premium Partner, Recommendation of Ralf Schumacher, Opel Motorsport

#### **Technical Characteristics:**

**RAVENOL RSE SAE 10W-50** offers:

- Ultra-modern fully 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

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#### Technical Values:

Characteristics	Unit	Data	Test according to
Density at 20°C	kg/m <sup>3</sup>	854,0	EN ISO 12185
Colour		yellow brown	visual
Viscosity at 100°C	mm <sup>2</sup> /s	17,5	DIN 51562-1
Viscosity at 40°C	mm <sup>2</sup> /s	111,0	DIN 51562-1
Viscosity Index VI		174	DIN ISO 2909
HTHS Viscosity at 150°C	mPa*s	5,3	ASTM D5481
CCS Viscosity at -25°C	mPa*s	4859	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -30°C	mPa*s	22.300	ASTM D4684
Pourpoint	°C	-54	DIN ISO 3016
Noack Volatility	% M/M	6,1	ASTM D5800
Flashpoint	°C	246	DIN ISO 2592
TBN	mg KOH/g	10,1	ASTM D2896
Sulphated ash	%wt.	1,3	DIN 51575

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