

- Certificate / Product Information -

RAVENOL VTO

Art. 1111134

FULLY SYNTHETIC

CleanSynto® & USVO®

Description:

RAVENOL VTO is a PAO (poly-alpha-olefin) based fully synthetic multigrade engine oil with USVO® Technology.

RAVENOL VTO is ideally suited for gasoline engines for car racing, even when subject to the highest levels of strain.

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 addition with molybdenum and tungsten, **RAVENOL VTO** is also suitable for an extremely sporty driving style.

RAVENOL VTO 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 VTO 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 VTO is universal fully synthetic low friction motor oil especially for gasoline and diesel engines in passenger cars and vans with and without turbo charger.

RAVENOL VTO can be used as special oil for car race even under most difficult conditions.

Quality Classification:

RAVENOL VTO is tried and tested for aggregates specifying:

Specification: API SN, ACEA C3

Recommendation: BMW Longlife-04; GM Dexos2; MB 226.5; MB 229.51; MB 229.52;

Renault RN0700 / RN0710

Race Partnerships: Hockenheim Premium Partner; Nürburgring Tested; Recommendation of Ralf Schumacher

Technical Characteristics:

RAVENOL VTO offers:

- Ultra-modern fully synthetic engine oil for car race with special molybdenum and tungsten additives
- Safe lubricating layer at very high operating temperatures
- 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 ³	848,0	EN ISO 12185
Colour		brown	visual
Viscosity at 100 °C	mm ² /s	12,2	DIN 51562-1
Viscosity at 40 °C	mm ² /s	73,4	DIN 51562-1
Viscosity Index VI		165	DIN ISO 2909
CCS Viscosity at -30 °C	mPa*s	4301	ASTM D5293
Pourpoint	°C	-60	DIN ISO 3016
Flashpoint	°C	244	DIN ISO 2592
TBN	mg KOH/g	8,1	ASTM D2896

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