



RAVENOL TSi SAE 10W-40

RAVENOL TSi SAE 10W-40 is a high additive treated engine oil which allows an energy-saving operation because of its additivation, choice of base oils and viscosity adjustment. In order to guarantee the low viscosity of the SAE class 10W as well as a low evaporation loss RAVENOL TSi SAE 10W-40 is produced on the basis of hydro crack oils and polyalphaolefins (PAO) which correspond to the high tech demands. RAVENOL TSi SAE 10W-40 contains less than 30 % Polyalphaolefins (PAO).

Application Notes

RAVENOL TSi SAE 10W-40 is suitable for all modern cars with petrol and diesel engines all the year; no sludge in the motor, excellent results during the test run. High engine cleanness is guaranteed also in case of turbo charging and a complete catalyst operation as well as multi valves and diesel direct injections.

Quality Classifications

RAVENOL TSi SAE 10W-40 is approved, tried and tested for aggregates specifying:

Specifications

ACEA A3/B4, API SN/SM/CF

Approvals

MB-Approval 229.1, VW 501 00/ 505 00, BMW Special Oil, License: API SN, API SM

Practice and tested in aggregates with filling

VW 502 00/ 500 00, MB 229.3

Characteristic

RAVENOL TSi SAE 10W-40 offers:

- High abrasion resistance
- Fuel saving because of easy running characteristics
- Excellent detergent and dispersant characteristic
- Prevention of black sludge creation
- Long endurance because of high oxidation stability
- Excellent cold start performance
- Very good viscosity temperature behaviour
- Low evaporation
- Suitable for catalysts

Characteristics	Unit	Data	Audit
Density at 20°C	kg/m ³	862	EN ISO 12185
Colour		yellow brown	visual
Viscosity at 100°C	mm ² /s	13,9	DIN 51 562
Viscosity at 40°C	mm ² /s	93,2	DIN 51 562
Viscosity index VI		151	DIN ISO 2909
HTHS at 150°C	mP? [*] s	4,03	ASTM D5481
CCS Viscosity at -30°C	mPa*s	6300	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35°C	mPa*s	24.600	ASTM D4684
Pourpoint	°C	- 36	DIN ISO 3016
Noack Volatility	% M/M	8,2	ASTM D5800
Flash point (COC)	°C	238	DIN ISO 2592
TBN	mg KOH/g	10,0	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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