



RAVENOL TSi SAE 10W-40



VISCOSITY 10W-40

SPECIFICATIONS ACEA A3 | ACEA B4 | API SN | API SM | API CF

FABRICATION SEMI-SYNTHETIC

APPROVALS VW 501 01 | MB-FREIGABE 229.1 | VW 505 00 | BMW SPECIAL OIL

RECOMMENDATIONS VW 502 00/ 500 00 | MB 229.3

ART.-NR. 1112110

1 L	1112110-001
4 L	1112110-004
5 L	1112110-005
10 L	1112110-010
20 L	1112110-020
20 L	1112110-B20
60 L	1112110-060
60 L	1112110-D60
208 L	1112110-208
208 L	1112110-D28
1000 L	1112110-700

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.

Classifications

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

Characteristics

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

Property	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 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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