



## RAVENOL LLO SAE 10W-40

RAVENOL LLO SAE 10W-40 is a high additive treated engine oil which allows an energy-saving operation of the engines 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 LLO SAE 10W-40 is produced on the basis of hydro crack oils which correspond to the high tech demands.

### Application Notes

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

### Quality Classifications

#### Specifications

API SL/CF/EC, ACEA A3/B3/B4

#### Practice and tested in aggregates with filling

MB 229.1, VW 500 00 / 505 00, BMW Special Oil

### Characteristic

RAVENOL Leichtlauföl LLO 10W-40 offers:

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

Characteristics	Unit	Data	Audit
Colour		yellow brown	visual
Density at 20°C	kg/m <sup>3</sup>	871	EN ISO 12185
Viscosity at 40°C	mm <sup>2</sup> /s	85,0	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	13,0	DIN 51 562
Viscosity index VI		153	DIN ISO 2909
Flash point (COC)	°C	226	DIN ISO 2592
Pourpoint	°C	-35	DIN ISO 3016
TBN	mg KOH/g	7,2	DIN ISO 3771
Sulphated ash	%wt.	1,5	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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