



## RAVENOL VPD SAE 5W-40

Diesel-Fullsynth

Pumpe-Düse

RAVENOL VPD SAE 5W-40 is a high performance fully synthetic "mid SAPS" oil based on the most modern synthesis technology, especially developed for engines of the new TDI generation. It has excellent cold start characteristics, saves fuel and resists high temperatures for example at the turbo charger.

RAVENOL VPD SAE 5W-40 is recommended for VW diesel engines with "Pumpe-Düse-System" according to VW 505 01.

### Application Notes

RAVENOL VPD SAE 5W-40 guarantees operational safety for all driving conditions for example: extreme stop and go traffic as well as high speed highway trips.

RAVENOL VPD SAE 5W-40 is miscible respectively compatible with all trademark single-grade and multigrade engine oils.

### Quality Classifications

#### **Specifications**

API SM/CF, ACEA C3

#### **Approvals**

VW 505 00 / 505 01, VW 502 00

#### **Practice and tested in aggregates with filling**

MB 229.51, Ford WSS M2C 917A, BMW Longlife-04, Porsche, Fiat 9.55535-GH2, Chrysler MS-11116

### Characteristic

RAVENOL VPD SAE 5W-40 offers:

- Recommendation for VW diesel engines with "Pumpe-Düse-System" according to VW 505 01
- MID SAPS = reduced sulfated ash, phosphorus and sulfur  
Fastest lubrication time and fastest time filling of the bucket tappet that means no cold start rattling
- Respectively cold start corrosion
- Highest wear protection at all flexible parts like valve actuating device, camshaft and piston rings  
even under permanent full load trips
- No deposits in combustion chambers in the piston ring zone, and on valves by a solid product.
- Neutrality towards sealing materials.

Characteristics	Unit	Data	Audit
Colour		yellow brown	visual
Density at 20°C	kg/m <sup>3</sup>	848	EN ISO 12185
Viscosity at -30°C	mPa.s	5500	ASTM D5293
Viscosity at 40°C	mm <sup>2</sup> /s	83	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	13,8	DIN 51 562
Viscosity index VI		171	DIN ISO 2909
Flash point (COC)	°C	242	DIN ISO 2592
Pourpoint	°C	-39	DIN ISO 3016
TBN	mg KOH/g	7,7	ISO 3771

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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