



## RAVENOL Turbo Plus SHPD SAE 20W-50

RAVENOL Turbo Plus SHPD 20W-50 is high performance multi-grade oil for use in petrol and diesel engines including turbo versions.

RAVENOL Turbo Plus SHPD 20W50 meets the requirements of SAE-Class 20W-50. This adjustment of viscosity also ensures a good lubricating film at high temperatures.

### Application Notes

RAVENOL Turbo Plus SHPD 20W-50 is particularly suitable for engines with already high performance.

### Specifications

ACEA E7, A3/B4, API CI-4/SL

### Practice and tested in aggregates with filling

MAN 3275, MB 228.3, MTU Type 3, VOLVO VDS-3, Cummins CES 20071, 72, 76, 77, Renault RLD, Caterpillar TO-2

### Characteristic

RAVENOL Turbo Plus SHPD 20W-50 offers:

- A good shear stability
- Very high oxidation stability
- Excellent viscosity-temperature behaviour
- Conclusive detergent- and dispersant properties
- High security reserves also under limited lubrication circumstances
- Excellent cold start properties
- Prevents black sludge formation
- Suitable for catalyst-equipped vehicles

Characteristics	Unit	Data	Audit
Colour		braun	visual
Density at 20°C	kg/m <sup>3</sup>	886	EN ISO 12185
Viscosity at 40°C	mm <sup>2</sup> /s	150,0	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	18,0	DIN 51 562
Viscosity index VI		133	DIN ISO 2909
Flash point (COC)	°C	228	DIN ISO 2592
Pourpoint	°C	-24	DIN ISO 3016
TBN	mg KOH/g	8,5	DIN ISO 3771
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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