



# RAVENOL Turbo Plus SHPD SAE 20W-50



1L | 1123120-001  
5L | 1123120-005  
10L | 1123120-010  
20L | 1123120-020  
20L | 1123120-B20  
60L | 1123120-060  
208L | 1123120-208  
208L | 1123120-D28  
1000L | 1123120-700

**Kategorie:** Truck engine oil

**Artikelnummer:** 1123120

**Viscosity:** 20W-50

**Specification:** ACEA A3/B4, ACEA E7, API CF, API CI-4, API SL

**Oil type:** Mineral

**Recommendation:** Allison C4, Caterpillar ECF-1a, Caterpillar ECF-2, Cummins CES 20071, Cummins CES 20072, Cummins CES 20076, Cummins CES 20077, Cummins CES 20078, Detroit Diesel DDC 93K215, Deutz DQC III-10, DTFR 15B110 (MB 228.3), Global DHD-1, JASO DH-1, Mack EO-M Plus, MAN M 3275, MB 228.3, MB 229.1, MTU Typ 2, MTU Typ 3, Renault RLD-2, Renault VI RLD, VOLVO VDS-3

**Application:** Truck, Agricultural machinery

**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.

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

## Application Note

**RAVENOL Turbo Plus SHPD 20W-50** is tried and tested for aggregates specifying:

Specifications: API CI-4, API SL/CF, ACEA E7, A3/B4

Recommendations: Allison C4; Caterpillar ECF-1a, ECF-2; Cummins CES 20071, -72, -76, -77, -78; DDC 93K215; Deutz DQC III-10; Global DHD-1; JASO DH-1; Mack EO-M Plus; MAN M 3275-1; MB 228.3, MB 229.1; MTU Type 2, MTU Type 3; Renault VI RLD, RLD-2; Volvo VDS-3

## Characteristics

- Well 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

## Technical Product Data

PROPERTY	UNIT	DATA	AUDIT
Density at 20 °C	kg/m <sup>3</sup>	878,0	EN ISO 12185
Colour		gelbbraun	VISUELL
Viscosity at 100 °C	mm <sup>2</sup> /s	18,4	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	162,1	DIN 51562-1
Viscosity Index VI		127	DIN ISO 2909
Pourpoint	°C	-36	DIN ISO 3016
Flashpoint	°C	248	DIN EN ISO 2592
tbn	mg KOH/g	11,3	ASTM D2896
Sulphated Ash	%wt.	1,2	DIN 51575

All indicated data are approximate values and are subject to the commercial fluctuations.