



**Motorenöle**

*Motor oils*

**Getriebeöle**

*Gear oils*

**Zweitaktöle und  
Traktorenöle**

*Two-stroke oils and  
tractor oils*

**Hydrauliköle**

*Hydraulic oils*

**Industrie- und  
Spezialschmierstoffe**

*Industrial and  
specialty lubricants*

## **PENNASOL TURBO SUPER SAE 20W-50**

**PENNASOL TURBO SUPER SAE 20W-50** is a powerful SHPD-engine oil for prolonged oil change intervals. It can be used for Diesel engines and gasoline engines. It complies with the high requirements of modern fuel economy engines to fulfill and in some cases to exceed the stringent emission standards of the EU (Euro III).

**PENNASOL TURBO SUPER SAE 20W-50** is universally used for year-round supply in mixed fleets.

### **Meets/suitable for use:**

(Meets the requirements of the OEM-Approval. An approval by name from the manufacturer is not present.)

ACEA E7

ACEA A3/B4

API CI-4

API SL

JASO DH-1

MB 228.3

MB 229.1

MAN 3275-1

Volvo VDS-2

Cummins CES 20076/77/78

Deutz DQC II-10

Detroit Diesel DDC 93K215



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## Typical characteristics PENNASOL TURBO SUPER SAE 20W-50:

(The given data are typical data. Please observe operating prescriptions.)

Parameter	Method	Unit	
<b>SAE class</b>	SAE J 300	g/cm <sup>3</sup>	SAE 20W-50
<b>Density 15 °C</b>	DIN EN ISO 12185		0.882
<b>Kin. viscosity @ 40 °C</b>	DIN 51562 -1	mm <sup>2</sup> /s	142
<b>Kin. viscosity @ 100 °C</b>	DIN 51562-1	mm <sup>2</sup> /s	17.8
<b>Viscosity index</b>	DIN ISO 2909		139
<b>Total Base Number</b>	DIN ISO 3771	mg KOH/g	10.0 – 12.0
<b>Dyn. viscosity @ -25°C</b>	DIN 51377	mPa*s	max. 9,500
<b>Flash point COC</b>	DIN ISO 2592	°C	min. 210
<b>Pour Point</b>	DIN ISO 3016	°C	-36

## Available Packaging:

	Bulk	965 Liter	208 Liter	60 Liter	20 Liter	4*5 Liter	4*4 Liter	12*1 Liter
<b>PENNASOL TURBO SUPER SAE 20W-50</b>	•	•	•	•	•	•		

<sup>1</sup>Version 6 – 01/2018

<sup>1</sup> This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either AVISTA OIL or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale.