



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 MULTIGRADE HYPOID GEAR OIL GL 5 SAE 80W-90

PENNASOL MULTIGRADE HYPOID GEAR OIL GL 5 SAE 80W-90 was developed to avoid seasonal gear oil changes. It can be used both in summer and in winter. The fact that it can be used for all purposes minimises the risk of mix-ups and makes stock-keeping simpler. The carefully balanced combination of EP additives and base oils guarantees properties such as good pressure absorption, above-average viscosity-temperature behaviour, high oxidation stability, a low pour point, good wear protection and no sludge.

ACEA-/API-specifications:

API GL 5

OEM-approvals:

ZF TE-ML 16B, 17B, 19B, 21A (ZF000681)

Meets/suitable for use:

(Meets requirements for product approval, but there is no specific product approval notified)

MAN 342 Typ M1-

MIL-L-2105D

Volvo 97310

DAF

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			PENNASOL MULTIGRADE HYPOID GEAR OIL GL 5 SAE 80W-90
Parameter	Unit	Testing method	
Density 15°C	kg/m ³	DIN EN ISO 12185	892
Flash point COC	°C	DIN ISO 2592	220
Pour point	°C	DIN ISO 3016	- 27
Viscosity 40°C	mm ² /s	DIN 51562-1	135
Viscosity 100°C	mm ² /s	DIN 51562-1	14.3
VI		DIN ISO 2909	116

07/2017

Version 5

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

Available packaging:

	Bulk	965 Liter	208 Liter	60 Liter	20 Liter	4 * 5 Liter	12 * 1 Liter	Notes:
PENNASOL MULTIGRADE HYPOID GEAR OIL GL 5 SAE 80W-90	•	•	•	•	•		•	

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¹ 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 Group 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.