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## - ProductInformation -

### RAVENOL Mehrzweck-Getriebeöl SAE 80 GL-4

Art. 223101

EP transmission oil (extreme pressure) for manual transmissions, distributor transmissions, steering transmissions as well as normal loaded axle drives.

#### Description:

**RAVENOL Mehrzweck-Getriebeöl SAE 80 GL-4** contains high refined mineral oils which are additivated with a balanced additive combination. Thereby a high load carrying capacity, corrosion protection and oxidation stability can be guaranteed. Because of a superior viscosity temperature behaviour, low pour points and the elimination of foam formation the use in case of different operating conditions can be provided. The used EP additives aren't aggressive and don't corrode copper alloys.

#### Application directions:

**RAVENOL Mehrzweck-Getriebeöl SAE 80 GL-4** can be used for the transmission oils API-GL 3 / GL 4 of the SAE class 80W.

**RAVENOL Mehrzweck-Getriebeöl SAE 80 GL-4** offers a quickest possible full fluid film lubrication when starting also in case of very low outside temperatures, excellent transmission efficiency and thereby low power loss.

**RAVENOL Mehrzweck-Getriebeöl SAE 80 GL-4** is compatible for the lubrication of manual transmissions, differential gears and steering transmissions in vehicles for which EP transmission oils are instructed by the manufacturer.

#### Quality classification:

**RAVENOL Mehrzweck-Getriebeöl SAE 80 GL-4** corresponds and fulfils the following specifications respectively classifications:

API GL 4

MIL-L-2105 D

Approvals: MAN 341 Typ Z-1, MB-Freigabe 235.1

Recommendations: ZF TE-ML 02A, 17A, Ford SQM-2C-9008 A

#### Characteristics:

- a very good adhesive and extreme pressure durable lubricant film even under high loads
- an excellent cold flow capacity even under extreme conditions
- a complete compatibility of elastomers
- an excellent corrosion protection of all general metals of the transmission engineering
- a high oxidation stability
- an optimum corrosion protection
- no foam also at high engine speed
- Support of the faultless function of synchronous transmissions
- miscible and compatible with all brand name transmission oils

#### Technical values:

Characteristics	unit	data	test according to
<b>Density</b> at 15 °C	g/ml	0,886	DIN 51 7 57
<b>Viscosity</b> at 40 °C	mm <sup>2</sup> /s	72,6	DIN 51 562
at 100 °C	mm <sup>2</sup> /s	9,3	DIN 51 562
<b>Viscosity index</b>		104	DIN ISO 2909
<b>Flash point</b> COC	°C	218	DIN ISO 2592
<b>Pour point</b>	°C	- 27	DIN ISO 3016

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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