



## RAVENOL Getriebeöl MZG SAE 80 GL-4



ART.-NR. 1223101

1 L | 1223101-001  
4 L | 1223101-004  
10 L | 1223101-010  
20 L | 1223101-020  
20 L | 1223101-B20  
1000 L | 1223101-700

**VISCOSITY** 80

**SPECIFICATIONS** MIL-L-2105 D | API GL-4

**APPROVALS** MB-FREIGABE 235.1

**RECOMMENDATIONS** ZF TE-ML 02A, 17A | FORD SQM-2C-9008A | MAN 341 TYP E-1 | MAN 341 TYP Z-1

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

**RAVENOL Getriebeöl MZG 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 Notes

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

**RAVENOL Getriebeöl MZG 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 Getriebeöl MZG 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.

## Characteristics

**RAVENOL Getriebeöl MZG SAE 80 GL-4** offers:

- 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



Property	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	881,0	EN ISO 12185
Colour		gelbbraun	visual
Viscosity at 100°C	mm <sup>2</sup> /s	10,2	DIN 51562-10
Viscosity at 40°C	mm <sup>2</sup> /s	84,4	DIN 51562-10
Viscosity index VI		102	DIN ISO 2909
Pourpoint	°C	-30	DIN ISO 3016
Flash point (COC)	°C	230	DIN ISO 2592
Copper Strip Test		1b	ASTM D130

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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