

Ravensberger Schmierstoffvertrieb GmbH  
Postfach 1163  
33819 Werther  
Tel.: 05203/9719-0  
Fax.: 05203/9719-40 / 41

## - Certificate / ProductInformation -

### RAVENOL Getriebeoil EPX SAE 80W-90 GL 5

Art. 1223205

Multirange transmission oil for synchronised and non synchronised manual transmissions as well as axle drives, distributor transmissions, intermediate transmissions in vehicles and working machines.

#### Description:

In order to avoid the seasonal change of the transmission oil **RAVENOL Getriebeoil EPX SAE 80W-90 GL 5** was developed. It can be used in winter as well as in summer. Its universal use reduces the risk of mix-up and storage. Because of the balanced additive combination characteristics like a high pressure absorption capacity, a superior viscosity temperature behaviour, a high oxidation stability, low pour points, a good corrosion protection and non-sludging are guaranteed.

#### Application directions:

**RAVENOL Getriebeoil EPX SAE 80W-90 GL 5** is compatible with all brand-name transmission oils. In case of changing to **RAVENOL Getriebeoil EPX SAE 80W-90 GL 5** flushing is not necessary.

**RAVENOL Getriebeoil EPX SAE 80W-90 GL 5** can be used in manual transmissions, axle drives, distributor and intermediate transmissions in vehicles and working machines.

#### Quality classification:

**RAVENOL Getriebeoil EPX SAE 80W-90 GL 5** is approved, tried and tested for aggregates specifying:

API GL 5 MIL-L-2105 D

Approvals: ZF TE-ML 16B, 17B, 19B, 21A, LOVAT LOV-204

Recommendations: MB 235.0, MAN 342 Typ M-1, Ford SQM-2C-9002 AA

#### Characteristics:

**RAVENOL Getriebeoil EPX SAE 80W-90 GL 5** offers:

- An optimum cold flow capacity
- An excellent corrosion protection also regarding short distances in winter
- Extreme pressure stability, therefore an excellent corrosion protection at all loads, reduced transmission
- noises and a best transmission efficiency under full power that means also in case of very hot oil
- An excellent shear stability
- A very good oxidation stability, no foam
- No oil thickening power respectively deposits
- An extremely high aging resistant
- A very good viscosity temperature behaviour
- An efficient corrosion protection
- Protection against corrosion, sludge and sticking
- An excellent corrosion protection, no rust, no attack of nonferrous metals
- Neutral behaviour of sealing materials that means the transmissions stay closed, no oil loss

#### Technical values:

Characteristics		unit	data	test according to
<b>Colour</b>			brown	
<b>Density</b>	at 20°C	kg/m <sup>3</sup>	888	EN ISO 12185
<b>Viscosity</b>	at 40°C	mm <sup>2</sup> /s	150,5	DIN 51 562
	at 100°C	mm <sup>2</sup> /s	15,2	DIN 51 562
<b>Viscosity index VI</b>		--	102	DIN ISO 2909
<b>Flash point</b>	COC	°C	210	DIN ISO 2592
<b>Flash point</b>		°C	- 27	DIN ISO 3016

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

To the best of our knowledge all information reflects the current state of findings and our development. Subject to change. Any reference to DIN standards are solely for product description purposes and do not represent a guarantee. If problems occur please consult a technician.

25.06.13