



# RAVENOL Sperrdiff.-Getr.-Oel LS 90



1L | 1223302-001  
4L | 1223302-004  
10L | 1223302-010  
20L | 1223302-020  
20L | 1223302-B20  
60L | 1223302-060  
208L | 1223302-208  
1000L | 1223302-700

**Kategorie:** Gear oil for manual transmissions and drive axis

**Artikelnummer:** 1223302

**Viscosity:** 90

**Specification:** API GL-5, MIL-L-2105 D

**Oil type:** Mineral

**Recommendation:** Ford Spezifikation, ZF TE-ML 05C, ZF TE-ML 12C, ZF TE-ML 16E, ZF TE-ML 21C

**Application:** Passenger car, Truck, Agricultural machinery

**RAVENOL Sperrdiff.-Getr.-Oel LS 90** is locking differential hypoid gear oil that meets the extremely stringent requirements in differential gears and differential lock.

**RAVENOL Sperrdiff.-Getr.-Oel LS 90** ensures good adhesion, high pressure-resistant lubricating film and offers excellent "limited slip" (LS) properties against unwanted slip-slip properties. Greatly offset hypoid gear pairs are also under severe operating conditions effectively protected against wear.

## Application Note

**RAVENOL Sperrdiff.-Getr.-Oel LS 90 GL-5** was specially developed for use in differential with high requirements on differential with differential lock.

## Characteristics

- Extremely high load carrying capacity
- Excellent wear protection by EP agents
- Excellent "limited slip" – Features
- Excellent resistance to aging
- High oxidation resistance even under high thermal stress
- Good foam / air separation and behave well at high speeds
- Neutrality towards non-ferrous metals and seals
- Excellent viscosity-temperature behavior

## Technical Product Data

PROPERTY	UNIT	DATA	AUDIT
Density at 20 °C	kg/m <sup>3</sup>	889,0	EN ISO 12185
Colour		gelbbraun	VISUELL
Viscosity at 100 °C	mm <sup>2</sup> /s	17,6	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	177,3	DIN 51562-1
Viscosity Index VI		108	DIN ISO 2909
Brookfield Viscosity at -12 °C	mPa*s	12.400	ASTM D2983
Pourpoint	°C	-30	DIN ISO 3016
Flashpoint	°C	214	DIN EN ISO 2592
Copper Strip Test at 121 °C		1b	ASTM D130

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