



# GEAR OILS PENTA LS

## SAE 75W/90, 75W/140

Fully synthetic gear oils with LS additives for axles with self-locking differentials. API GL-5.

### Description

MOTOREX PENTA LS SAE 75W/90 and SAE 75W/140 GEAR OILS are fully synthetic special gear oils with LS additives (Limited Slip). The fully synthetic base fluids combined with additives especially selected for this application ensure an extremely flat viscosity-temperature curve and maximum shear stability. Its temperature reducing properties allow its application in axles subjected to very high loads, both with and without self-locking differentials.

### Field of application

MOTOREX PENTA LS SAE 75W/90 and SAE 75W/140 GEAR OILS are excellent for use in axle drives subjected to very high loads, both with and without self-locking differentials. Various manufacturers of self-locking differentials stipulate special LS additives (LS = Limited Slip).

Please check with manufacturers specifications.

### Advantages

- Very high load bearing capability
- Good oxidation and shear stability
- Excellent temperature viscosity characteristics
- Good resistance to temperature and ageing
- Excellent anti-foaming behaviour

### Specifications

API GL-5 LS  
 Safety + Performance:  
 ZF TE-ML 05D, 12D

### Technical data

Properties	Unit	Test according to	Values1	Values2
Viscosity class		SAE J306	75W/90	75W/140
Colour		DIN ISO 2049	yellow	brown
Density at 20 °C	g/ml	ASTM D 4052	0.869	0.882
Viscosity at 40 °C	mm <sup>2</sup> /s	DIN 51562-1	87.3	186
Viscosity at 100 °C	mm <sup>2</sup> /s	DIN 51562-1	14.5	26.7
Brookfield -40 °C	mPa s	ASTM D 2983	47,200	145,000
Viscosity index		DIN ISO 2909	173	180
Pourpoint	°C	ASTM D 5950	-42	-42
Flash point	°C	DIN EN ISO 2592	>200	>200

Water hazard class: WGK 2

Disposal code: EWC 130 205

The above information is subject to change without prior notice, although it is in accordance with current standards. Performance characteristics indicated are based on usual tolerances which occur during measuring and production using the latest technology. A safety data sheet is available.

