

GEAR OILS LS UNIVERSAL

SAE 90, 85W/140

High-pressure gear oil with LS additives for axles with self-locking differentials. API GL-5.

Description

MOTOREX GEAR OIL LS UNIVERSAL SAE 90, 85W/140 are mineral high-pressure transmission oils for axles with and without self-locking differentials subjected to heavy loads. The selected base oils in combination with high-quality additives guarantee effective wear protection under the heaviest of loads. LS stands for Limited Slip, i.e. for self-locking differentials with limited locking between plates.

Field of application

MOTOREX GEAR OIL LS UNIVERSAL SAE 90, 85W/140 is used in axles with self-locking differentials for trucks, construction machines and agricultural machines where manufacturers specify gear oil with LS characteristics.

Please check with manufacturers' specifications.

The manufacturer must be followed.

Advantages

- For LS self-locking differentials (Limited Slip)
- High load-bearing capacity
- Good protection against wear
- Excellent viscosity temperature characteristics
- High shear stability

Specifications

API GL-5 LS
ZF TE-ML 05C, 12C, 16E, 21C

Technical data

Properties	Unit	Test according to	Values1	Values2
Viscosity class		SAE J 306	90	85W/140
Colour		DIN ISO 2049	Dark yellow	brown
Density at 20 °C	g/ml	ASTM D 4052	0.900	0.910
Viscosity at 40 °C	mm ² /s	DIN 51562-1	172	384
Viscosity at 100 °C	mm ² /s	DIN 51562-1	16.2	27
Brookfield -12°C	mPa·s	ASTM D 2983	-	91200
Viscosity index		DIN ISO 2909	97	95
Pourpoint	°C	ASTM D 5950	-36	-24
Flash point	°C	DIN EN ISO 2592	> 220	> 220

Water hazard class: WGK 1
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.

