

# GEAR ZX TP

SAE 80W/90, 80W/140

Gear oils for manual gearboxes and final drives based on GL-4+5 mineral oils.

## Description

MOTOREX GEAR ZX TP oils are gear oils for truck manual gearboxes and axles, the front axles of tractors, gearboxes of combine harvesters and final drives. The high-grade base oils and especially selected combination of additives guarantee high load-bearing capacity and excellent wear protection.

## Advantages

- Above average load bearing capability
- Extremely smooth gear-changing over the full temperature range and the entire period of use
- Excellent protection against wear
- Good viscosity and temperature characteristics
- Excellent oxidation and ageing stability

## Field of application

## Technical data

Properties	Unit	Test according to	Values 1	Values 2
Viscosity class		SAE J 306	<b>80W/90</b>	<b>80W/140</b>
Colour		DIN ISO 2049	brown	darkyellow
Density at 20 °C	g/ml	ASTM D 4052	0.895	0.883
Viscosity at 40 °C	mm <sup>2</sup> /s	DIN 51562-1	138.8	246.6
Viscosity at 100 °C	mm <sup>2</sup> /s	DIN 51562-1	14.5	25.5
Brookfield -26 °C	mPa·s	DIN 51398	122'670	<150'000
Viscosity index		DIN ISO 2909	103	133
Pourpoint	°C	ASTM D 5950	-30	-36
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 for the product described.

MOTOREX GEAR ZX TP Oils guarantees an optimum lubricating performance for truck manual gearboxes and transfer gears.

Also suitable for front axles, rear axles and final drives in tractors and agricultural machinery.

Please check with manufacturers' specifications.

## Specifications

### SAE 80W/90

API GL-4 + 5, MT-1  
MB-Approval 235.0  
MAN 341 Typ Z2/E2,  
MAN 342 Typ M2 (MAN 3343 Typ M)  
ZF TE-ML 02B, 05A, 07A, 08, 12L, 12M, 16B, 17B, 19B, 21A, SCANIA STO 1:0, SAE J2360  
MACK GO-J, Arvin Meritor 076-A, D  
MIL-L-2105D, MIL-PRF-2105E

### SAE 80W/140

API GL-4 + 5, MT-1  
SCANIA STO 1:0  
MACK GO-J, Arvin Meritor 076-A, D  
MIL-L-2105D, MIL-PRF-2105E  
SAE J2360

### Safety&Performance:

ZF TE-ML 05A, 07A, 08, 12L, 12M, 16C, 16D, 21A

