



Gear Universal

SAE 80W-90

API GL-4, GL-5

High performance multi-purpose gear oil

High performance gear oil with Total Drive Line (TDL) technology for the lubrication of axles, as well as for gearboxes, of heavy-duty vehicles and machines.

Selected base oils and additives of the latest technology give this product an excellent thermal stability as well as wear protection properties under all operating conditions.

Properties and features

- Good flowing behavior at low temperatures ensures smooth gear shifting even at low temperatures
- The very good resistance against high temperatures and aging prevents the formation of harmful residues and ensures a long service life of the oil filling.
- Modern additive package ensures an effective protection against wear, rust and corrosion under all operating conditions
- Good compatibility with standard seals

Use

High-performance low viscosity gear oil for universal use in gearboxes, axle drives, rear-axles, hypoid gears (without limited slip differential) of commercial vehicles and passenger cars where the use of an API GL-5 or API GL-4 is required.

Observe manufacturer's specifications and instructions before use.

Specifications & performance

API GL-4	MB 235.0
API GL-5	MAN 3343 Typ M/ 3343 ML - up to 2012
API MT-1	(341 Z-2 341 ML + 342 M-2/ 342 ML)
MIL-L-2105, 2105 D	□ Axles max. 160'000 km
MIL-PRF-2105 E	□ Gear boxes max. 160'000 km
	ZF TE-ML-02B, 05A, 07A, 08, 12A, 12E, 12L, 12M, 16B, 16C, 17B, 19B, 21A
	SCANIA STO 1:0 (gear boxes)

Technical data

	Unit	Method
Density at 15°C	0,905 g/cm ³	ASTM D 1298
Viscosity at 40 °C	145 mm ² /s	ASTM D 445
Viscosity at 100 °C	14,8 mm ² /s	ASTM D 445
Viscosity index	105	ASTM D 2270
Brookfield viscosity at -26°C	90'000 cP	ASTM D 2983
Flash point C.O.C.	220 °C	ASTM D 92
Pour point	-33 °C	ASTM D 97

Health, safety and environment

ADR / SDR : Not dangerous

EU Waste List Code : 13 02 08