



Product Name: GITRÖL 80W-90 GL-4/GL-5 MT-1

Application: Hypoid gear oil

API Service: GL-4/GL-5 MT-1

Viscosity Grade: SAE 80W-90

Quality: Mineral

Recommended for: Use in automotive manual transmissions and drive axles where a fluid meeting the requirements of API GL-4, API GL-5, API MT-1 or SAE J2360 (former MIL-PRF-2105E) is required

Drain Interval: Up to 100,000 kilometers

Product Overview

GITRÖL 80W-90GL-4/GL-5 MT-1 is a mineral-based hypoid gear oil designed for high-performance driveline systems in light and heavy-duty commercial vehicles. Formulated with advanced additive technology, it provides excellent thermal stability, wear resistance, and outstanding viscosity-temperature behavior, ensuring smooth operation under the most demanding conditions. It enables long oil drain intervals and minimizes wear, guaranteeing extended component life.

Application

- **Synchronised and Non-Synchronised Manual Transmissions:** Ensures smooth gear shifting and excellent synchronizer protection.
- **Drive Axles and Rear Differentials:** Suitable for hypoid gear systems operating under extreme pressure conditions.
- **Commercial Vehicles:** Designed for use in trucks, buses, and other heavy-duty vehicles.
- **Off-Road Applications:** Ideal for construction, mining, and agricultural equipment.
- **Universal Driveline Use:** TDL (Total Driveline Lubricant) simplifies inventory for transmissions and axles

Performance Benefits

- **High Pressure Resistance:** Exceptional load-bearing capacity for extreme-pressure conditions.
- **Thermal Stability:** Resists oil degradation, varnish, and deposits, even at high temperatures.
- **Long Drain Intervals:** Enables extended oil change intervals, reducing maintenance costs.
- **Smooth Operation:** Guarantees smooth gearshifting and minimizes running noise.
- **Seal Compatibility:** Prevents leaks and ensures system integrity.
- **Universal Use:** Simplifies storage and reduces product inventory for various driveline applications

Meets and Approvals

Meets :

- API GL-4, API GL-5, API MT-1
- SAE J2360
- MIL-PRF-2105E

OEM Approvals :





- MAN 341 Type Z2, MAN 342 Type M2
- Scania STO 1:0 (Axles), Scania STO 1:1 G (Gearboxes)
- ZF TE-ML 02B, 05A, 07A, 12L, 12M, 16B, 17H, 19B, 21A
- Volvo 97310, MB 235.0
- DAF, Mack GO-J, Eaton, Renault
- Many more

Typical Properties

Property	Method	Unit	Typical Value
Density @ 15°C	g/cm ³	0.90	DIN 51757
Viscosity @ 40°C	mm ² /s	142	ASTM D7042-04
Viscosity @ 100°C	mm ² /s	14.8	ASTM D7042-04
Viscosity Index		104	DIN ISO 2909
Brookfield Viscosity @ -26°C	mPa·s	≤150,000	ASTM D2983-09
Pour Point	°C	-27	DIN ISO 3016
Flash Point	°C	200	DIN ISO 2592
Color (ASTM)		L3.5	DIN ISO 2049

Storage and Handling

- Store in a cool, dry place away from direct sunlight and temperatures above 60°C.
- Ensure containers are sealed to prevent contamination.
- Avoid mixing with other oils to maintain full performance

