



Product Name: GITRÖL 75W-90 GL-4/GL-5 MT-1

Application: Hypoid gear oil

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

Viscosity Grade: SAE 75W90

Quality: Fully synthetic

Recommended for: Use in commercial vehicles. Universally applicable TDL oil (total drive line) for manual, auxiliary and differential transmissions with limited slip differential

Drain Interval: Up to 500,000 kilometers

Product Overview

GITRÖL 75W-90 GL-4/GL-5 MT-1 is a fully synthetic, high-performance hypoid gear oil designed for heavy-duty applications across a wide range of manual, transaxle, auxiliary, and differential transmissions. This Total Drive Line (TDL) lubricant ensures exceptional performance under extreme operating conditions and wide temperature fluctuations. Engineered with advanced additive technology, it provides superior wear protection, excellent low-temperature behaviour, and long-lasting oxidation stability. This gear oil meets and exceeds the stringent requirements of leading OEMs and is ideal for commercial vehicles, off-road machinery, and other heavy-duty applications.

Application

- Suitable for manual, hypoid, auxiliary, and transaxle transmissions.
- Ideal for heavy-duty highway vehicles (freight trucks, buses) and off-road equipment (construction, agricultural, and mining machinery).
- Recommended where API GL-4, GL-5, or MT-1 specifications are required

Performance Benefits

- **Extreme Pressure Protection:** Safeguards gears and components under heavy loads and extreme pressure conditions.
- **Thermal Stability:** Resists high-temperature degradation for extended oil life and reduced maintenance costs.
- **Superior Low-Temperature Properties:** Ensures smooth transmission performance down to -51°C.
- **Wear Reduction:** Prolongs the life of critical components, even under high stress and heavy-duty operations.
- **Corrosion and Rust Resistance:** Protects metal components against corrosion in harsh environments.
- **Seal Compatibility:** Prevents leaks and ensures reliable sealing performance.
- **Noise Reduction:** Minimizes transmission noise for smoother operation

Meets and Approvals

Meets :

- GL-4, GL-5, MT-1
- MIL-L-2105 D/PRF 2105 E





OEM Approvals :

- MAN 341 Z2, 342 S1
- MB 235.8, 235.9
- Scania STO 1:0, STO 2:0A FS
- Volvo 97312
- ZF TE-ML 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A
- and many more

Typical Properties

Property	Method	Unit	Typical Value
SAE Grade	SAE J306	-	75W-90
Density @ 15°C	ASTM D4052	g/cm ³	0.855
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	80.0
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	14.3
Viscosity Index	ASTM D2270	-	185
Pour Point	ASTM D6892	°C	-57
Flash Point	ASTM D92	°C	190
Brookfield Viscosity @ -40°C	ASTM D2983	mPa.s	≤150,000

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

