



Product Name: GITRÖL SAE 75W-90 GL-5

Application: Oil for manual transmissions and differentials

API Service: GL-5

Viscosity Grade: SAE 75W-90

Quality: Fully synthetic

Recommended for: All components of mechanical transmissions (gear boxes, transfer boxes, differentials, etc.) of trucks and four-wheel drive vehicles requiring same viscosity and API classification or below.

Drain Interval: 500,000 km or 3 years

Product Overview

GITRÖL SAE 75W90 GL-5 is a fully synthetic high-performance gear oil designed for high-load manual transmissions, auxiliary gearboxes, transaxles, and hypoid gears. Formulated with advanced additive technology and premium synthetic base oils, this gear oil ensures exceptional performance under extreme pressure, high-speed shock loads, and low-speed high-torque conditions. Its excellent viscosity-temperature stability and anti-wear properties make it suitable for a wide range of demanding applications in both on-road and off-road vehicles.

Application

- Manual transmissions (synchronized and non-synchronized).
- Hypoid and spiral bevel gears.
- Transfer boxes and differentials (including LS applications).
- Heavy-duty trucks, passenger vehicles, buses, construction, and agricultural equipment.

Performance Benefits

- **Superior High-Pressure Protection:** Ensures durability and extended service life under extreme loads.
- **Outstanding Thermal and Oxidation Stability:** Reduces oil degradation, enabling extended oil drain intervals.
- **Enhanced Friction Properties:** Provides smooth and vibration-free gear shifting.
- **Low-Temperature Fluidity:** Ensures reliable performance and smooth starts at temperatures as low as -57°C .
- **Corrosion and Wear Resistance:** Protects critical components from damage, even in harsh environments.

Meets and Approvals

Meets:

- API GL-4/GL-5
- MIL-L-2105 C/D

OEM Recommendations:

- ZF TE-ML 02B, 05A, 12L, 16F, 17B, 19C, 21A
- MAN 342 M1/M2/M3





- SCANIA STO 1:0, STO 2:0A FS
- MB 235.11, MB 235.20
- Volvo 97312
- GB 13895-2018
- Mack GO-J, GO-J Plus

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

