



Product Name: GITRÖL SAE 90 GL-5

Application: Hydraulic systems, transmissions and gearboxes

API Service: GL-5

Viscosity Grade: SAE 90

Quality: Mineral

Recommended for: The lubrication of accessory equipment to be installed in special vehicles (reducers in autocranes, mechanisms of garbage trucks, side lifting components, etc.) when operating at temperatures no lower than $-18\text{ }^{\circ}\text{C}$.

Drain Interval: up to 100,000 Km

Product Overview

GITRÖL SAE 90 GL-5 is a premium mineral-based gear oil designed to deliver excellent performance in manual transmissions, hypoid gears, axle drives, and power dividers under heavy-duty operating conditions. Formulated with advanced sulfur-phosphorus extreme pressure (EP) additives, it ensures optimal wear protection, thermal stability, and corrosion resistance. This versatile lubricant is compatible with a wide range of mechanical systems, ensuring smooth and reliable operation in vehicles and machinery.

Application

- Hypoid gears and spiral bevel gear systems.
- Axle drives, power dividers, and manual transmissions in passenger cars, trucks, agricultural machinery, and vintage vehicles.
- Suitable for systems requiring API GL-5 performance levels or higher.

Performance Benefits

- **Extreme Pressure Protection:** Safeguards against wear and scuffing under high loads and torque.
- **Thermal and Oxidation Stability:** Extends oil life and minimizes deposit formation in high-temperature operations.
- **Optimal Viscosity Stability:** Ensures consistent lubrication across a wide temperature range.
- **Corrosion Resistance:** Protects against rust and oxidation, even under severe conditions.
- **Seal Compatibility:** Prevents leaks and maintains the integrity of seals.
- **Noise Reduction:** Reduces transmission noise and improves driving comfort.

Meets and Approvals

Meets:

- GL-5/4
- MIL-L-2105 D
- GB 13895 - 2018

OEM Recommendations:

- MAN 342 M1
- ZF TE-ML 05A, 16C, 17B, 19B, 21A
- MB 235.0





- Ford SQM-2C-9002 AA

Typical Properties

Property	Method	Unit	Typical Value
SAE Grade	SAE J306	-	90
Density @ 20°C	EN ISO 12185	kg/m ³	882.0
Kinematic Viscosity @ 40°C	DIN 51562-1	mm ² /s	130.3
Kinematic Viscosity @ 100°C	DIN 51562-1	mm ² /s	14.3
Viscosity Index	DIN ISO 2909	-	108
Pour Point	DIN ISO 3016	°C	-33
Flash Point	DIN EN ISO 2592	°C	222
Brookfield Viscosity @ -26°C	ASTM D2983	mPa·s	60,100
Copper Corrosion Test @ 121°C	ASTM D130	Rating	1b

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

