



**Product Name:** GITRÖL SAE 85W110 GL-5

**Application:** Hydraulic systems, transmissions and gearboxes

**API Service:** GL-5

**Viscosity Grade:** SAE 85W110

**Quality:** Mineral

**Recommended for:** Manual gearboxes and hypoid differentials of competition vehicles, passenger cars & 4WDs, light & heavy duty commercials, trucks, buses, agricultural and earthmoving equipment.

**Drain Interval:** up to 100,000 Km

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## Product Overview

**GITRÖL SAE 85W-110 GL-5** is a high-performance mineral-based gear oil formulated to meet the demanding lubrication needs of heavy-duty machinery operating in Public Works, mining, and quarry environments, especially in hot climates. Its advanced extreme-pressure (EP) additive system ensures superior protection under extreme loads, high temperatures, and shock load conditions. MAXGROB 85W-110 GL-5 is compatible with hypoid axles, oil-immersed brake systems, and manual gearboxes, delivering exceptional thermal stability, wear protection, and extended oil life.

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## Application

- Front and rear hypoid axles.
- Limited-slip self-locking differentials.
- Oil-immersed brake systems.
- Gearboxes (manual, mechanical, and powershift).
- Heavy-duty trucks, buses, agricultural, and earth-moving equipment.

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## Performance Benefits

- **Exceptional Load Carrying Capacity:** Protects gears under heavy loads and extreme pressures.
- **High Thermal Stability:** Performs reliably in high-temperature and harsh operating conditions.
- **Versatility:** Reduces lubricant inventory by serving multiple vehicle systems.
- **Extended Oil Drain Intervals:** Lowers maintenance costs and downtime.
- **Friction Reduction:** Improves efficiency and lowers operating temperatures.
- **Seal Compatibility:** Protects seals from degradation, ensuring long-term reliability.

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## Meets and Approvals

### Meets:

- API GL-5
- GB 13895-1992
- MIL PRF -2105D
- ZF TE ML 08

### OEM Approvals :

- AGMA 250.04
- CATERPILLAR FD-1 (SAE 50)





- CATERPILLAR TO-4 (SAE 50)
- KOMATSU Micro Clutch

## Typical Properties

Property	Method	Unit	Typical Value
Density @ 15°C	ASTM D4052	kg/L	0.920
Kinematic Viscosity @ 40°C	ASTM D445	cSt	320
Kinematic Viscosity @ 100°C	ASTM D445	cSt	24.0
Viscosity Index	ASTM D2270	-	98
Pour Point	ASTM D97	°C	-24
Flash Point	ASTM D97	°C	240
Timken OK Load	ASTM D2509	kg	32
Copper Corrosion Test	ASTM D130	Rating	1b

## Recommendations for Use

- Check the vehicle's maintenance guide before use.
- Adhere to recommended oil drain intervals as per the manufacturer's instructions.
- Store in a cool, dry place away from direct sunlight and temperatures above 60°C.
- Avoid water contamination to ensure optimal performance

## 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

