

MAXGRÖB Gear Oil SAE 85W-110 GL-5

Product Description

MAXGRÖB 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. MAXGRÖB 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.

Product Features & 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.

Health, Safety, and Environment

- Prolonged skin contact may cause irritation; use appropriate protective equipment.
- Dispose of used oil responsibly at authorized collection points.
- Refer to the product's Safety Data Sheet (SDS) for detailed handling and safety guidelines.

Typical Properties

Property	Method	Units	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

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.

Approvals & Specifications

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

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.

