

## GROB Gear Oil SAE 90 GL-1

### Product Description

**GROB SAE 90 GL-1** is a premium straight mineral gear oil formulated to meet API GL-1 performance standards. Designed for mechanical transmissions, manual gearboxes, and differentials operating under mild loads and low speeds, it provides excellent protection and performance for legacy and classic vehicles.

### Product Features & Benefits

**Good Lubricant Film:** Maintains optimal film strength for reliable operation.

**Rust and Corrosion Protection:** Extends the life of gears and bearings.

**Oxidation Stability:** Ensures long oil life even under challenging conditions.

**Foam Inhibition:** Prevents air entrapment, maximizing equipment efficiency.

**Compatibility with Copper/Bronze:** Ideal for applications with sensitive components.

### Storage & Handling

- Store under 45°C in a dry, covered environment
- Keep container sealed and protected from contamination
- Avoid mixing with oils of different specifications
- Refer to SDS for full health and safety guidelines

### Typical Properties

Property	Method	Units	Value
Viscosity @ 40°C	ASTM D445	mm <sup>2</sup> /s	150.0
Viscosity @ 100°C	ASTM D445	mm <sup>2</sup> /s	15.0
Viscosity Index	ASTM D2270	-	100
Density @ 20°C	ASTM D1298	g/cm <sup>3</sup>	0.893
Flash Point (min)	ASTM D92	°C	200
Pour Point (max)	ASTM D97	°C	-12

### Application

- Recommended for manual transmissions, gearboxes, and differentials requiring straight mineral oil.
- Ideal for classic vehicles and equipment such as Volvo, Leyland DAF, Terberg, Ford (GB), and others.

### Approvals & Specifications

- API : GL-1

### Health, Safety, & Environment

- Avoid prolonged contact with skin; wash immediately with soap and water.
- Dispose of used oil at an authorized collection point; do not discharge into the environment.
- Store below 60°C and avoid direct sunlight or freezing conditions.

### Recommendations

- Follow manufacturer's guidelines for oil change intervals.
- Adjust based on operational conditions.

