

GRÖB Gear Oil SAE 90 GL-3

Product Description

GRÖB SAE 90 GL-3 is a premium mineral-based transmission oil designed for classic vehicles and motorcycles. This high-grade gear oil provides a stable lubricating film, minimizing wear and ensuring smooth gear operation. With its superior corrosion protection and optimized lubrication properties, it is ideal for manual transmissions and differentials operating under moderate loads.

Product Features & Benefits

Enhanced Wear Protection:

- Reduces gear and bearing wear for prolonged service life.

Smooth Gearshifting:

- Optimized formulation enables smoother transmission operation.

Excellent Corrosion Protection:

- Protects components against rust and corrosion.

Thermal and Oxidation Stability:

- Ensures reliable performance even under high-temperature conditions.

Compatibility with Sealing Materials:

- Safe for use with standard sealing materials.

Noise Reduction:

- Reduces operational noise for quieter performance.

Versatile Application:

- Suitable for classic vehicles and motorcycles.

Application

- Ideal for manual transmissions and gearboxes in classic vehicles and motorcycles where API GL-3 specification is required.
- Recommended for automotive and construction machinery transmission gears.
- Not suitable for hypoid gears; for hypoid applications, use GL-4 or GL-5 gear oils.

Approvals & Specifications

- GL-3
- GL-2
- GL-1

Health, Safety, & Environment

- Avoid prolonged contact with skin; wash with soap and water if contact occurs.
- Dispose of used oil responsibly at an authorized collection center.
- Store in a cool, dry place away from direct sunlight and below 60°C.

Recommendations

- Follow manufacturer's guidelines for oil change intervals. Typical mileage ranges between 60,000 to 80,000 kilometers depending on operating conditions.
- For optimal performance, avoid mixing with other branded oils.

Typical Properties

Property	Method	Unit	Value
SAE Viscosity Grade	SAE J306	-	90
Density @ 15°C	ASTM D1298	g/cm ³	0.88
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	181.0
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	16.5
Viscosity Index	ASTM D2270	-	95
Flash Point (COC)	ASTM D92	°C	234
Pour Point	ASTM D97	°C	-24
Color (ASTM)	DIN ISO 2049	-	L3.5

