



**Product Name:** GITRÖL SAE 90 GL-3

**Application:** Oil for manual transmissions and differentials

**API Service:** GL-3

**Viscosity Grade:** SAE 90

**Quality:** Mineral

**Recommended for:** Moderate duty, extreme pressure, all-purpose gear lube for use in automotive, agricultural and industrial applications. For use where the manufacturer specifies AGMA EP, AGMA 9005-D94, US STEEL 224, Cincinnati Milacron, Extreme Pressure, or GL-3 gear lube.

**Drain Interval:** between 60,000 and 80,000 km

## Product Overview

**GITRÖL 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.

## 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

## Performance 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.

## Meets and Approvals

- API GL-3, GL-2, GL-1

## Typical Properties

Property	Method	Unit	Typical Value
SAE Viscosity Grade	SAE J306	-	90
Density @ 15°C	ASTM D1298	g/cm <sup>3</sup>	0.88
Kinematic Viscosity @ 40°C	ASTM D445	mm <sup>2</sup> /s	181.0





Kinematic Viscosity @ 100°C	ASTM D445	mm <sup>2</sup> /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

## 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

