



Product Name: GITRÖL SAE 140 GL-1

Application: Oil for manual transmissions and differentials

API Service: GL-1

Viscosity Grade: SAE 140

Quality: Mineral

Recommended for: Many automotive and industrial equipment where the equipment manufacturer recommends the use of a straight mineral oil with SAE viscosity grades 140, also for many types of equipment where copper or bronze is present and susceptible to attack by oils containing sulfur-phosphorus compounds.

Drain Interval: Between 60,000 to 80,000 km

Product Overview

GITRÖL SAE 140 GL-1 is a high-quality monograde mineral gear oil formulated to meet API Service Classification GL-1. Designed for manual transmissions and other mechanical systems operating under moderate conditions, this gear oil provides superior lubrication, excellent rust protection, and reliable performance for extended equipment life.

Application

- Ideal for manual gearboxes and mechanical systems requiring API GL-1 gear oil.
- Suitable for automotive and industrial applications where copper or bronze components are present.
- Recommended for systems requiring a straight mineral oil with SAE viscosity grade 140

Performance Benefits

- **High Viscosity Index:** Ensures effective lubrication over a wide temperature range.
- **Excellent Rust Protection:** Protects components from rust and corrosion.
- **Oxidation Stability:** Provides long-lasting performance and reduces oil degradation.
- **Anti-Foam Properties:** Prevents foam formation for consistent lubrication.
- **Metal Compatibility:** Safe for use with copper, brass, and bronze components

Meets and Approvals

API GL-1

Typical Properties

Property	Method	Typical Value
Density @ 15°C, g/cm ³	ASTM D4052	0.902
Kinematic Viscosity @ 40°C, cSt	ASTM D445	340
Kinematic Viscosity @ 100°C, cSt	ASTM D445	26.5
Viscosity Index	ASTM D2270	90
Flash Point, °C	ASTM D92	220
Pour Point, °C	ASTM D97	-9





Product Benefits

- Enhances gear performance and extends component life.
- Ensures smooth operation in manual transmissions.
- Maintains a strong lubrication film under heavy loads and high temperatures.
- Prevents wear and minimizes maintenance costs

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

