



Product Name: GITRÖL SAE 80W-90 GL-5

Application: Oil for manual transmissions, drive axles, and differentials

API Service: GL-5

Viscosity Grade: SAE 80W-90

Quality: Mineral

Recommended for: Manual transmissions, differentials, and axles in passenger cars, trucks, buses, construction, and agricultural machinery requiring SAE 80W-90 API GL-5 lubricants.

Drain Interval: 60,000 to 80,000 kilometers

Product Overview

GITRÖL SAE 80W-90 GL-5 is a premium mineral-based gear oil designed for high-performance transmissions and drive systems. Engineered for extreme pressure protection, it delivers exceptional wear resistance, smooth operation, and enhanced thermal stability under heavy loads and severe conditions. Suitable for year-round use, it ensures maximum durability and reduced maintenance costs.

Application

- Ideal for **manual transmissions, auxiliary transmissions, and differential gear systems** operating under high loads.
- Designed for **commercial vehicles, passenger cars, and off-road equipment**.
- Compatible with **other GL-5 gear oils**, but full performance is achieved when used **unmixed**.

Performance Benefits

- **High Performance:** Excellent antifriction and anti-scuffing properties improve fuel efficiency and gear shifting.
- **Wear Protection:** Strong antiwear and extreme pressure properties extend transmission component lifespan.
- **Cold-Temperature Reliability:** Ensures smooth performance and easy starts at low temperatures.
- **Thermal & Oxidation Resistance:** Enhances oil longevity, reducing maintenance intervals and costs.
- **Corrosion Resistance:** Prevents rust and oxidation in harsh conditions.
- **Seal Protection:** Ensures longevity of seals, preventing shrinkage and hardening.
- **Noise Reduction:** Helps maintain quieter transmission operation.
- **Versatility:** Compatible with a wide range of transmissions and differentials meeting API GL-5 standards.

Meets and Approvals

Meets:

- GL-5
- MIL-L 2105 D/E

OEM Recommendations:

- MAN 341 Typ E2/Z2
- MAN 342 Typ M2
- ZF TE-ML 02B/05A/12L/12M/16B/17H/19B/21A





- ZF001323
- MB 235.0
- Scania STO 1:0
- Volvo 97310

Typical Properties

Property	Unit	Method	Typical Value
Density @ 15°C	g/cm ³	0.90	DIN 51757
Viscosity @ 40°C	mm ² /s	142	ASTM D7042-04
Viscosity @ 100°C	mm ² /s	14.8	ASTM D7042-04
Viscosity Index	-	104	DIN ISO 2909
Brookfield Viscosity @ -26°C	mPa•s	≤150,000	ASTM D2983-09
Pour Point	°C	-27	DIN ISO 3016
Flash Point	°C	200	DIN ISO 2592
Color (ASTM)	-	L3.5	DIN ISO 2049

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

