



Product Name: GITRÖL SAE 85W140 GL-5

Application: Oil for manual transmissions and differentials

API Service: GL-5

Viscosity Grade: SAE 85W140

Quality: Mineral

Recommended for: For heavy-duty motor vehicle transmissions, particularly with Hypoid gearing for which an API GL 5 or lower with same viscosity grade is required.

Drain Interval: up to 100,000 Km

Product Overview

GITRÖL SAE 85W-140 GL-5 is a premium mineral-based hypoid gear oil formulated to deliver superior protection and performance in extreme pressure (EP) conditions. It is specifically designed for heavy-duty transmissions, hypoid differentials, and power dividers in high-load vehicles operating in demanding environments.

This gear oil is enhanced with advanced sulfur-phosphorus EP additives to ensure exceptional wear protection, thermal and oxidative stability, and excellent low-temperature performance. **GITRÖL SAE 85W-140 GL-5** is compatible with a wide range of mechanical systems and provides smooth operation under extreme loads and wide temperature ranges.

Application

- Hypoid differentials, power dividers, and spiral bevel gears.
- Heavy-duty trucks, buses, off-road vehicles, and earth-moving equipment.
- Mechanical transmissions and other systems requiring API GL-5 gear oil.

Performance Benefits

- **Extreme Pressure Protection:** Safeguards gears under high load and shock conditions.
- **Thermal and Oxidative Stability:** Extends oil life and ensures consistent performance at high temperatures.
- **Excellent Low-Temperature Behavior:** Provides reliable lubrication in cold starts.
- **Seal Compatibility:** Protects seals, reducing the risk of leaks and maintaining system integrity.
- **Noise Reduction:** Minimizes transmission noise for smoother operation.

Meets and Approvals

Meets:

- GL-5/4
- MIL-L-2105 D
- GB 13895 - 2018

OEM Recommendations:

- ZF TE-ML 16D, 21A 07A, 08
- MAN 342 Typ M1
- Ford WSL-M2c192-A,





- Meritor O-76E

Typical Properties

Property	Method	Unit	Typical Value
SAE Grade	SAE J306	-	85W-140
Density @ 15°C	DIN 51757	g/cm ³	0.910
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	375.0
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	27.7
Viscosity Index	ASTM D2270	-	100
Pour Point	ASTM D97	°C	-24
Flash Point	ASTM D92	°C	218
Foaming Behavior @ 24°C	ISO 6247	ml	0/0
Four-Ball Weld Load	DIN 51350 Teil 4	N	4200

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

