



Product Name: GITRÖL SAE 75W90 GL-4

Application: Oil for manual transmissions and differentials

API Service: GL-4

Viscosity Grade: SAE 75W90

Quality: Fully synthetic

Recommended for: Manual and robotic gearboxes, transfer cases, and differentials in passenger cars, commercial vehicles, SUVs, motorcycles, and more, where SAE 75W90 API GL-4 oil is specified.

Drain Interval: up to 300,000 Km

Product Overview

GITRÖL SAE 75W-90 GL-4 is a premium, fully synthetic high-performance gear oil formulated to meet the rigorous demands of modern manual transmissions and differential gears. With outstanding shear stability, excellent friction properties, and superior thermal performance, it ensures extended service life, improved gear-shifting performance, and optimal wear protection.

Application

- Manual and robotic gearboxes
- Differential gears
- Transfer boxes and auxiliary drives

It is recommended for use in passenger cars, motorcycles, SUVs, light and heavy commercial vehicles where API GL-4 SAE 75W-90 oils are specified.

Performance Benefits

- **Wide Operating Temperature Range:** Exceptional viscosity/temperature characteristics ensure reliable performance under extreme conditions.
- **Enhanced Component Protection:** Outstanding wear resistance and anti-corrosion properties safeguard critical transmission components.
- **Friction Optimization:** Reduces gear-shifting resistance, enhancing driving comfort and transmission efficiency.
- **Long Service Life:** High resistance to oxidation and degradation allows for extended oil change intervals.
- **Seal Compatibility:** Prevents leaks and maintains seal integrity over time.
- **Reduced Noise and Vibration:** Minimizes transmission noise for smoother operation.

Meets and Approvals

Meets:

- API: GL-4

OEM Approvals:

- BMW MTF LT-4
- Ford ESD-M2C 175-A, ESD-M2C 186-A, WSD-M2C 200-C
- MB 235.72





- Volkswagen VW 501 50, G 052 145, G 052 157, G 052 190

Typical Properties

Property	Method	Typical Value
Density at 15°C (g/cm ³)	DIN 51757	0.880
Kinematic Viscosity at 40°C (mm ² /s)	ASTM D7042	88.0
Kinematic Viscosity at 100°C (mm ² /s)	ASTM D7042	15.5
Viscosity Index	DIN ISO 2909	185
Pour Point (°C)	DIN ISO 3016	-49
Flash Point (°C)	DIN ISO 2592	356
Brookfield Viscosity at -40°C (mPa·s)	ASTM D2983	≤150,000
Color Number (ASTM)	DIN ISO 2049	L 1.5

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

