

## MAXGROB Gear Oil SAE 80W-90 GL-5

### Product Description

**MAXGROB 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.

#### Key Benefits:

- **Superior Gear Protection:** Advanced anti-wear and extreme pressure additives extend gear life in demanding conditions.
- **Outstanding Thermal Stability:** Prevents oxidation and sludge formation, extending oil drain intervals.
- **Wide Temperature Performance:** Reliable lubrication in both hot and cold environments (-27°C to 200°C).
- **Corrosion & Noise Reduction:** Effectively prevents rust, reduces sludge buildup, and minimizes noise and vibration.
- **Seal Compatibility:** Protects seals, reducing the risk of leaks and extending component life.
- **Universal Application:** Suitable for various manual transmissions, differentials, and transfer cases in passenger cars, commercial vehicles, and off-road machinery.

### Health, Safety, & Environment

PETROVOLL SAE 80W-90 GL-5 is formulated to meet strict safety and environmental standards. When used properly, it poses no significant health risks. Dispose of used oil responsibly to prevent environmental impact. For detailed safety guidelines, refer to the Safety Data Sheet (SDS).

### Storage & Handling

- Store in a cool, dry place away from direct sunlight and temperatures above 60°C.
- Keep containers tightly sealed to avoid contamination.
- Follow vehicle manufacturer recommendations for optimal performance.

### 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.

### Approvals & Specifications

#### Meets:

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

#### Approvals:

- 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

### Product Features & 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.



## Typical Properties

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

