

## MAXGROB SAE 80W-90 GL-4/GL-5 MT-1

### Product Description

**MAXGROB SAE 80W-90 GL-4/GL-5 MT-1** is a mineral-based hypoid gear oil designed for high-performance driveline systems in light and heavy-duty commercial vehicles. Formulated with advanced additive technology, it provides excellent thermal stability, wear resistance, and outstanding viscosity-temperature behavior, ensuring smooth operation under the most demanding conditions. It enables long oil drain intervals and minimizes wear, guaranteeing extended component life.

### Performance Benefits

- **High Pressure Resistance:** Exceptional load-bearing capacity for extreme-pressure conditions.
- **Thermal Stability:** Resists oil degradation, varnish, and deposits, even at high temperatures.
- **Long Drain Intervals:** Enables extended oil change intervals, reducing maintenance costs.
- **Smooth Operation:** Guarantees smooth gearshifting and minimizes running noise.
- **Seal Compatibility:** Prevents leaks and ensures system integrity.
- **Universal Use:** Simplifies storage and reduces product inventory for various driveline applications.

### Application

**MAXGROB SAE 80W-90 GL-4/GL-5 is recommended for:**

- Synchronised and Non-Synchronised Manual Transmissions: Ensures smooth gear shifting and excellent synchronizer protection.
- Drive Axles and Rear Differentials: Suitable for hypoid gear systems operating under extreme pressure conditions.
- Commercial Vehicles: Designed for use in trucks, buses, and other heavy-duty vehicles.
- Off-Road Applications: Ideal for construction, mining, and agricultural equipment.

### Meets and Exceeds

**Meets:**

- API GL-4, API GL-5, API MT-1
- SAE J2360
- MIL-PRF-2105E

**OEM Approvals:**

- MAN 341 Type Z2, MAN 342 Type M2
- Scania STO 1:0 (Axles), Scania STO 1:1 G (Gearboxes)
- ZF TE-ML 02B, 05A, 07A, 12L, 12M, 16B, 17H, 19B, 21A
- Volvo 97310, MB 235.0
- DAF, Mack GO-J, Eaton, Renault
- Many more

### Typical Properties

Property	Method	Unit	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



## Health, Safety and Environment

- Avoid prolonged contact with skin; use appropriate protective equipment.
- Dispose of used oil responsibly at authorized collection points.
- Refer to the product's Safety Data Sheet (SDS) for detailed handling and safety instructions.

## Storage and Handling

- Store in a cool, dry place away from direct sunlight and moisture.
- Keep containers tightly sealed to prevent contamination.
- Observe all applicable safety guidelines when handling.
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