

## GROB Gear Oil SAE 140 GL-4

### Product Description

**GROB SAE 140 GL-4** is a premium-quality, heavy-duty gear oil designed for high-stress applications in gear systems. Formulated with high-quality mineral base oils and advanced additive technology, it provides exceptional load-bearing capacity, wear protection, and oxidation stability. This product meets and exceeds the requirements of API GL-4 and other international gear oil specifications, ensuring reliable performance in diverse operating conditions.

### Product Features & Benefits

- **Exceptional Protection:**  
Prevents premature gear failure with superior viscosity retention and oxidation resistance.
- **Noise Reduction:**  
Ensures quieter gear operation with excellent shear stability.
- **High EP Performance:**  
Provides protection against wear, rust, and corrosion under extreme pressures.
- **Versatility:**  
Suitable for both ferrous and non-ferrous components in various applications.
- **Seal Compatibility:**  
Ensures optimal performance without damaging seals.

### Application

**GROB SAE 140 GL-4** is recommended for use in:

- Manual transmissions
- Transaxles and transfer boxes
- Steering gears
- Gearboxes in passenger cars, light and heavy-duty trucks, commercial vehicles, construction equipment, and agricultural machinery requiring API GL-4 level performance.

### Approvals & Specifications

**Meets :**

- API GL-4
- MIL-L 2105

**Approvals :**

- ZF TE-ML 02A, 08, 16A, 17A, 19A
- U.S. Steel 224
- DIN 51517 Part 3
- AGMA 9005-D94
- David Brown S1.53.101(E)

### Recommendations for Use

- Follow the specifications and instructions provided by the equipment or vehicle manufacturer.
- Ensure the product is not mixed with other oils to achieve optimum performance.

### Typical Properties

Property	Method	Value
Kinematic Viscosity @ 40°C	mm <sup>2</sup> /s	378
Kinematic Viscosity @ 100°C	mm <sup>2</sup> /s	28.4
Viscosity Index	-	103
Density @ 15°C	g/cm <sup>3</sup>	0.905
Pour Point	°C	-12
Flash Point	°C	222
Foaming Behavior (24°C)	ml	0/0
Foaming Behavior (93.5°C)	ml	0/0
Foaming Behavior (after 93.5°C)	ml	0/0
Sulfated Ash	% m/m	0.02
Oxide Ash	g/100g	0.01



## Storage & Handling

- Store in a cool, dry place away from direct sunlight and temperature extremes.
- Avoid storage temperatures above 60°C.
- If stored outdoors, drums should be kept horizontal to prevent water contamination and label damage.

## Health, Safety, & Environment

This product is not expected to cause adverse health effects if used as intended. Refer to the Safety Data Sheet (SDS) for detailed information on handling, storage, and disposal. The SDS is available upon request.

