

Product Description

GEAR OIL SAE 90 (GL-4) is a high-performance automotive gear oil formulated using selected base oils and balanced additive technology designed to provide reliable protection for manual transmissions, gearboxes, and gear systems operating under a wide range of service conditions.

The formulation provides effective resistance against wear, oxidation, rust, and corrosion while maintaining stable lubrication performance under high-speed/low-torque and low-speed/high-torque operating conditions. It is engineered to support smooth gear operation, gear durability, and dependable protection under moderate to mild extreme-pressure service environments.

GEAR OIL SAE 90 (GL-4) is suitable for manual transmissions and gear systems requiring API GL-4 performance level lubricants in automotive, commercial, and industrial applications.

Specification and Requirements

- API GL-4

Product Sizes

☒ 200 Liters ☒ 18 Liters ☐ 4 Liters ☒ 1 Liter

Main Applications



- Manual transmissions and gearboxes requiring API GL-4 performance level lubricants
- Passenger cars, motorcycles, and commercial vehicle gear systems operating under moderate load conditions
- On-highway and off-highway equipment operating under high-speed/low-torque and low-speed/high-torque conditions
- Conventional gear systems requiring SAE 90 viscosity grade oils
- Automotive and industrial gear applications operating under moderate service conditions

Performance Benefits

- **Reliable Gear Wear Protection.** Provides dependable protection for gears, bearings, and transmission components during operation.
- **Good Oxidation Stability.** Resists lubricant degradation during extended operation and elevated temperatures.
- **Rust and Corrosion Protection.** Protects internal gear components against rust and corrosive wear.
- **Stable Lubrication Performance.** Maintains consistent oil film strength and lubrication stability under varying operating loads.
- **Moderate Extreme Pressure Capability.** Supports reliable protection under moderate to mild extreme-pressure operating conditions.

Test Physical Characteristics

Test Parameter	Test Method	Specification
Appearance	Visual	Clear
Color, ASTM	ASTM D1500	<0.5
Density @15°C, kg/l	ASTM D7777	0.8801
Kinematic Viscosity @40°C, cSt	ASTM D445	197.0
Kinematic Viscosity @100°C, cSt	ASTM D445	18.44
Viscosity Index	ASTM D2270	104
Flash Point, COC, °C	ASTM D92	258

Health and Safety

Based on available information, this product is unlikely to produce any significant hazard on health when used for the recommended application provided in the Material Safety Data Sheet (MSDS). Guidance on Health and Safety is available on the appropriate Material Safety and Data Sheet, which can be obtained from <http://www.seaoil.com.ph>

Environment

Bring used oil to a permitted container and place. Do not throw it into the drain or soil.