

DESCRIPTION

Longlife Elite Gear Oil is a full-synthetic, high-performance lubricant engineered to meet API GL-5/SAE 2360 specifications for automotive axles and limited-slip differentials. It is specifically formulated for spiral bevel and high-offset hypoid gear sets, including ring and pinion gears, in light-, medium-, and heavy-duty trucks, as well as agricultural, logging, and construction equipment. The lubricant leverages advanced synthetic base stocks to deliver exceptional thermal and oxidative stability, ensuring consistent performance under high-temperature conditions. Its sophisticated additive package provides robust extreme pressure (EP) protection, anti-wear properties, and effective inhibition of corrosion, rust, foaming, and varnish. Anti-scuffing agents and friction modifiers enhance lubricity, offering superior protection in demanding EP environments. Designed for all-season reliability, this gear oil supports a wide range of automotive and industrial applications requiring API GL-5 service classification. It excels in rigorous operational environments, safeguarding critical components against wear and degradation. **Longlife Elite Gear Oil** is an ideal choice for operators seeking durable, high-performance lubrication across diverse equipment and challenging conditions.

APPLICATIONS

Longlife Elite Gear Oil is a full-synthetic lubricant designed for:

- **Automotive and Industrial Gear Systems:** Optimized for differentials, rear axles, final drives, manual transmissions, and steering gears in passenger cars, trucks, and industrial equipment where API GL-5 is specified.

SPECIFICATIONS & RECOMMENDATIONS

- API-GL-5
- SAE J2360
- Meritor 076-E
- MT-1
- Mack GO-J Plus
- SAE J306

ADVANTAGES & BENEFITS

- **Robust Gear Protection:** High film strength and extreme pressure additives prevent wear, scuffing, and scoring under high loads and temperatures.
- **Enhanced Fuel Efficiency:** Synthetic base stocks minimize frictional losses, improving fuel economy compared to conventional 80W-90 and 85W-140 gear oils.
- **All-Season Performance:** Multi-viscosity formulation ensures reliable low-temperature fluidity and year-round lubrication.
- **Extended Component Durability:** Advanced elastomer compatibility and corrosion/rust inhibitors prolong seal and gear life, with optimized performance for limited-slip differentials.
- **Prolonged Drain Intervals:** Exceptional thermal and oxidative stability, combined with shear stability, supports extended service intervals per manufacturer guidelines.
- **Effective Foam Suppression:** Specialized inhibitors prevent foaming, ensuring consistent lubrication and protection under high-speed conditions.
- **Superior Load Capacity:** Sulfur/phosphorus additive system enhances load-carrying capabilities, safeguarding gears in extreme pressure environments.
- **Versatile Compatibility:** Compatible with other automotive gear oils and provides excellent water separation for reliable performance across applications.

HEALTH & SAFETY

This product is not anticipated to pose any adverse health risks when used as intended. For additional details, refer to separate Safety Data Sheets, available upon request.


TECHNICAL DATA/TECHNICAL PROPERTIES

PROPERTIES	SAE GRADE	
	75W90	75W140
Viscosity @ 100 °C, cSt	13.5 – 18.5	24 – 32.5
Viscosity Index	145	199
Pour Point, °C(°F)	-48 (-54.4)	-44 (-47)
Flash Point, °C(°F)	>220 (428)	>220 (428)
Brookfield (ASTM D2983), cP	@-40 °C, < 150,000 cP	@-40 °C, < 150,000 cP
Product Code	LLEGO-75W90	LLEGO-75W140

*All properties are typical and may vary.

Always adhere to the manufacturer's guidelines for the correct equipment fluid. Lubchem Specialties is not liable for any misuse of the product or improper application.