

DESCRIPTION

Longlife Elite Motor Oil is a premium, full-synthetic, multi-grade engine oil meticulously engineered to meet or exceed the stringent lubrication demands of a wide range of modern gasoline-powered engines, including those requiring API SP and GF-6 service categories. Formulated with superior synthetic base stocks and proprietary shear-stable polymer additives, this oil ensures outstanding oxidation resistance, viscosity stability across extreme temperatures, and exceptional cold-flow properties. It delivers comprehensive protection against wear, corrosion, engine sludge, varnish, emulsification, and foaming, while promoting superior piston cleanliness, timing chain durability, and optimized fuel efficiency. Fully compatible with all synthetic and petroleum-based motor oils, **Longlife Elite Motor Oil** is designed for versatile applications, providing reliable performance in four-stroke gasoline engines across diverse vehicles and equipment, including passenger cars, light trucks, SUVs, powerboats, motorcycles, and various mobile or stationary machinery. This formulation minimizes maintenance needs and extends engine life under demanding operating conditions.

APPLICATIONS

Longlife Elite Motor Oil is recommended for a diverse array of vehicles and fuel types requiring API SP and ILSAC GF-6 approved lubricants:

- Passenger cars, light-duty trucks, SUVs, motorcycles, powerboats, and gas-powered four-stroke engines.
- Engines and manufacturers specifying API SP/ILSAC GF-6 compliant engine oils.

SPECIFICATIONS & RECOMMENDATIONS

- API SP, SN PLUS, SN, SM, SL, SG
- ILSAC GF-6

ADVANTAGES & BENEFITS

- **Superior Wear Protection:** Robust anti-wear and friction control additives safeguard critical engine components, including timing chains and valvetrains, under severe operating conditions.
- **Optimized Fuel Economy:** Low-friction formulation enhances fuel efficiency, reducing costs while maintaining excellent protection in high-revving, turbocharged engines.
- **Enhanced Engine Cleanliness:** Advanced additives control sludge, varnish, deposits, rust, and corrosion, ensuring cleaner engines and extended component life.
- **Extended Drain Intervals:** High thermal and oxidative stability, with improved viscosity retention, supports longer service intervals and engine durability.
- **Emission System Compatibility:** Protects vehicle emission systems, ensuring compliance and performance under diverse driving conditions.
- **Rapid Cold-Start Lubrication:** Excellent low-temperature flow properties enable quick lubrication of vital engine parts, ensuring reliable cold starts.
- **Backward Compatibility:** Fully compatible with previous API and ILSAC gasoline engine oil specifications, offering versatile, high-performance protection.

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.



LONGLIFE
 ULTIMATE PROTECTION FOR THE LONG HAUL

TECHNICAL DATA/TECHNICAL PROPERTIES

| Properties | SAE Grade | | | | | |
|---------------------------------|--------------|--------------|--------------|---------------|---------------|---------------|
| | 0W-20 | 5W-20 | 5W-30 | 10W-30 | 10W-40 | 20W-50 |
| Color | Amber | Amber | Amber | Amber | Amber | Amber |
| Viscosity @ 100 °C, cSt | 6.9 – 9.3 | 6.9 – 9.3 | 9.3 – 12.5 | 9.3 – 12.5 | 12.5 – 16.3 | 16.3 – 21.9 |
| Viscosity Index | 151 | 151 | 165 | 164 | 171 | 145 |
| Pour Point, °C(°F) | -48 (-54) | -48 (-54) | -45 (-49) | -45 (-49) | -42 (-44) | -42 (-44) |
| Flash Point, °C(°F) | >220 (428) | >220 (428) | >220 (428) | >220 (428) | >220 (428) | >220 (428) |
| Cold Cranking Simulator, °C(cP) | <6,200 @ -35 | <6,600 @ -30 | <6,600 @ -30 | <7,000 @ -25 | <7,000 @ -25 | <9,500 @ -15 |
| Noack Volatility | <15% | <15% | <15% | <15% | <15% | <15% |
| Product Code | LLEPCMO-0W20 | LLEPCMO-5W20 | LLEPCMO-5W30 | LLEPCMO-10W30 | LLEPCMO-10W40 | LLEPCMO-20W50 |

*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.