

DESCRIPTION

Longlife Elite Manual Transmission Fluid is a premium, fully synthetic fluid designed for heavy-duty manual and automated manual transmissions in on-road and off-road applications. Formulated with high-quality synthetic base oils and advanced additives, it ensures exceptional performance under demanding conditions. The fluid delivers smooth gear shifts through optimized frictional properties and minimizes wear with robust film thickness at operating temperatures. Excellent low-temperature fluidity enables rapid lubrication during cold starts, ensuring consistent performance in extreme climates. Outstanding oxidative stability resists thermal breakdown, maintaining performance over extended service intervals. Advanced foam resistance enhances transmission durability. The mono-grade 50 wt. formulation offers reliable corrosion protection for critical components, even in severe environments. Suitable for trucks and off-road equipment, **Longlife Elite MTF** provides dependable lubrication, extended component life, and consistent performance across a wide operating range.

APPLICATIONS

Longlife Elite Manual Transmission Fluid, a fully synthetic 50 wt. fluid, is engineered for heavy-duty manual transmissions, recommended for:

- On-highway trucks, buses, vans, and off-highway vehicles in construction, mining, and agriculture Select gear cases requiring full synthetic 50W fluid
- Not suitable for automatic transmissions

SPECIFICATIONS & RECOMMENDATIONS

- Eaton PS-164 Rev 7
- Mack TO-A PLUS
- International TMS-6816
- API MT-1
- Eaton Fuller
- ZF Feedomline

ADVANTAGES & BENEFITS

- **Resilient Performance:** Ensures stable viscosity and balanced friction across a wide temperature range for dependable operation in heavy-duty manual and automated manual transmissions.
- **Superior Protection:** Incorporates advanced anti-wear additives and shear-stable chemistry to minimize wear and prolong equipment life in extreme-duty conditions.
- **Prolonged Fluid Life:** Exhibits exceptional oxidation and thermal stability to reduce sludge and varnish, promoting extended fluid life and lower maintenance costs.
- **Reliable Deposit Control:** Provides excellent resistance to sludge, varnish, and deposits, maintaining clean systems and resilient performance in challenging environments.
- **Seamless Operation:** Features optimized friction properties for smooth gear shifting and efficient performance under high-load conditions.
- **Wide Compatibility:** Designed for on-highway trucks, buses, vans, and off-highway vehicles in construction, mining, and agriculture, compatible with most modern engine seals and select gear cases requiring full synthetic 50W fluid

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
	50
Viscosity @ 100 °C, cSt	16.3 – 21.9
Viscosity Index	122
Pour Point, °C(°F)	-45 (-49)
Flash Point, °C(°F)	>220 (428)
Product Code	LLEMTF-50

*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.