

DESCRIPTION

Longlife Anti Wear + Hydraulic Oils are premium fluids formulated from high-quality paraffinic base stocks and advanced anti-wear additives, delivering robust performance in high-pressure hydraulic systems such as vane pumps, piston pumps, and NC machine tools. They exhibit superior demulsibility for rapid water separation, enhanced oxidative stability to prevent thermal degradation, and stable viscosity index across wide temperature ranges. These oils effectively control wear, corrosion, sludge, varnish, emulsification, and foam through specialized inhibitors, defoamers, and antioxidants, achieving extended service life exceeding 10,000 hours, exceptional thermal stability, and optimized filterability.

APPLICATIONS

Longlife Anti Wear + Hydraulic Oils are engineered for:

- High-pressure piston, vane, and gear pumps
- Industrial hydraulic systems and mobile equipment (lifts, cranes, excavators, mining tools)
- Industrial gear and bearing sets requiring rust- and oxidation-inhibited lubrication

SPECIFICATIONS & RECOMMENDATIONS

- Parker-Hannifin HF-0, HF-1, HF-2 (HM)
- Eaton Vickers I-286-S, M-2950-S
- Bosch Rexroth RE 90220
- GM LS-2
- ASTM D6158 (HM)
- AIST (US Steel) 126, 127, 136
- ANSI/AGMA 9005-E02-RO
- Cincinnati Machine P-68, P-69, P-70
- Denison HF-1, HF-2, HF-0
- DIN 51506, VDL (LG), 51524 Part 2
- JCMAS P041 HK SEB 181222
- ISO 11158 (HM)

ADVANTAGES & BENEFITS

- **Exceptional Performance and Versatility:** Superior performance across diverse applications and broad temperature ranges, with minimal viscosity variation for optimized system operation.
- **Advanced Wear Protection:** Premium anti-wear additives provide superior safeguarding of high-load surfaces, enhancing energy efficiency and extending equipment lifespan.
- **Extended Fluid Life:** Achieves TOST performance up to 10,000 hours with superior filterability, enabling longer service intervals, reduced maintenance costs, and improved system reliability.
- **Thermal and Oxidation Stability:** Exhibits exceptional stability in demanding environments, minimizing sludge formation to maintain cleaner systems and consistent performance.
- **Effective Water Separation:** Facilitates rapid demulsibility, reinforced by anti-foaming agents, to mitigate rust, corrosion, and air entrainment, thereby enhancing component durability.
- **Cost Efficiency:** Advanced formulation lowers operational and maintenance expenditures while promoting system cleanliness and asset longevity.

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	ISO Viscosity Grade			
	22	32	46	68
Viscosity @ 40 °C, cSt	22	32	46	68
Pour Point, °C(°F)	-42 (-44)	-42 (-44)	-33 (-28)	-24 (-11.2)
Flash Point, °C(°F)	>220 (428)	>220 (428)	>220 (428)	>220 (428)
Demulsibility @ 54 °C	Pass	Pass	Pass	Pass
FOAM Sequence II	Pass	Pass	Pass	Pass
Copper Corrosion, 3 hr at 100 C	1A	1A	1A	1A
Steel Corrosion, ASTM 665 A & B	Pass	Pass	Pass	Pass
Oxidation (TOST), Hours	+10,000	+10,000	+10,000	+10,000
Product Code	LLAW22+	LLAW32+	LLAW46+	LLAW68+

*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.