

DESCRIPTION

Longlife AW Hydraulic Oils, formulated with premium paraffinic base oils and advanced anti-wear additives, deliver exceptional protection for high-pressure hydraulic systems, including vane/piston pumps and NC machine tools. They provide excellent water separation, oxidation resistance, and viscosity retention, while preventing wear, corrosion, sludge, varnish, emulsification, and foaming. Enhanced with corrosion inhibitors, anti-foam agents, and antioxidant stabilizers, these oils offer up to 6,000 hours of service life, outstanding thermal stability, and superior filterability. Designed to maximize uptime, efficiency, and reliability in demanding conditions, they meet rigorous industry standards.

APPLICATIONS

Longlife AW Hydraulic Oils are designed for use in:

- High-pressure piston, vane, and gear pumps
- Industrial hydraulic systems and associated components
- Mobile equipment, including lifts, cranes, excavators, and mining implements
- Industrial gear and bearing sets requiring rust- and oxidation-inhibited fluids

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 & Versatility:** Delivers superior performance across diverse applications and wide temperature ranges with minimal viscosity change.
- **Advanced Wear Protection:** Premium anti-wear additives deliver superior protection to heavily loaded surfaces, enhancing energy efficiency and prolonging equipment life.
- **Extended Fluid Life:** Up to 6,000-hour TOST and superior filterability ensure longer service intervals, reduced maintenance costs, and enhanced system reliability.
- **Thermal & Oxidation Stability:** Exceptional stability in demanding environments minimizes sludge formation, promoting cleaner systems and consistent performance.
- **Effective Water Separation:** Rapid water separation, fortified with anti-foaming agents, reduces rust, corrosion, and air entrainment for improved durability.
- **Cost Efficiency:** Advanced technology reduces operational and maintenance costs while maintaining system cleanliness and 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	100	150
Viscosity @ 40 °C, cSt	22	32	46	68	100	150
Pour Point, °C(°F)	-42 (-44)	-42 (-44)	-33 (-28)	-24 (-11.2)	-12 (10.4)	-12 (10.4)
Flash Point, °C(°F)	>200 (392)	>200 (392)	>200 (392)	>200 (392)	>200 (392)	>200 (392)
Demulsibility @ 54 °C	Pass	Pass	Pass	Pass	Pass	Pass
FOAM Sequence II	Pass	Pass	Pass	Pass	Pass	Pass
Copper Corrosion, 3 hr at 100 C	1A	1A	1A	1A	1A	1A
Steel Corrosion, ASTM 665 A & B	Pass	Pass	Pass	Pass	Pass	Pass
Oxidation (TOST), Hours	6,000	6,000	6,000	6,000	6,000	6,000
Product Code	LLAW22	LLAW32	LLAW46	LLAW68	LLAW100	LLAW150

*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.

Lubchem Specialties, LLC

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