

**DESCRIPTION**

**Long Life Dielectric AW Hydraulic Oils** are premium, non-conductive hydraulic fluids meticulously engineered for superior performance across a broad spectrum of industrial applications. Formulated with high-purity paraffinic base oils and a sophisticated additive system, these oils deliver exceptional anti-wear protection, outstanding oxidative and thermal stability, and robust corrosion resistance. Designed to meet the rigorous demands of modern industrial systems, they ensure reliable operation, extended equipment life, and enhanced system efficiency in challenging environments, including high-voltage settings.

**APPLICATIONS**

**Longlife Dielectric AW Hydraulic Oils** are formulated for applications requiring non-conductive fluids, including:

- Hydraulic systems in cherry pickers and firetruck snorkels
- Equipment demanding high dielectric strength and fire safety

**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**

- **Versatile Performance:** Maintains consistent viscosity across wide temperatures for reliable operation in diverse hydraulic applications.
- **Superior Wear Protection:** Premium anti-wear additives enhance energy efficiency and extend equipment life in vane- and piston-type pumps.
- **Extended Fluid Life:** Up to 6,000-hour TOST life with excellent filterability reduces maintenance costs and boost's reliability.
- **Thermal & Oxidation Stability:** Minimizes sludge and deposits, ensuring clean systems and consistent performance in extreme conditions.
- **Effective Water Separation:** Rapid demulsification and anti-foaming agents reduce rust, corrosion, and air entrainment for enhanced durability.
- **Non-Conductive Safety:** High dielectric strength ensures electrical non-conductivity in high-voltage environments.
- **Cost Efficiency:** Lowers operational and maintenance costs while maintaining system cleanliness and longevity.
- **Broad Compatibility:** Meets leading pump manufacturers' standards, ideal for hydraulic systems, compressors, bearings, and lube systems.

**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
Viscosity @ 40 °C, cSt	22	32	46
Viscosity Index	110	119	109
Pour Point, °C(°F)	-38 (-36)	-33 (-28)	-24 (-11.2)
Flash Point, °C(°F)	>220 (428)	>220 (428)	>220 (428)
Demulsibility @ 54 °C	Pass	Pass	Pass
FOAM Sequence II	Pass	Pass	Pass
Copper Corrosion, 3 hr at 100 C	1A	1A	1A
Steel Corrosion, ASTM 665 A & B	Pass	Pass	Pass
Dielectric Strength, kV	+35	+35	+35
Product Code	LLDEAW22	LLDEAW32	LLDEAW46

\*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

12373 Koalstad Rd., Conroe Tx 77302 • (281) 350-9600 • <https://lubchemspecialties.com>