

DESCRIPTION

Core AW Hydraulic Oils are a value-focused hydraulic fluid made with paraffinic base oils and anti-wear additives. They protect high-pressure systems such as vane and piston pumps and NC machine tools. They offer solid water separation, oxidation resistance, and viscosity control. They help limit wear, rust, sludge, varnish, emulsification, and foaming. With corrosion inhibitors, anti-foam agents, and antioxidants, they deliver 5,000+ hours of service, reliable thermal stability, and good filterability. Built for dependable everyday operation and formulated to meet standard industry requirements.

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

- **Reliable Performance:** Steady performance across common applications and temperature ranges, with limited viscosity change.
- **Wear Protection:** Anti-wear additives help protect loaded surfaces, support energy use, and extend equipment life.
- **Longer Fluid Life:** 5,000+ hour TOST and good filterability support longer service intervals, lower maintenance, and more consistent operation.
- **Thermal & Oxidation Control:** Helps limit sludge in demanding conditions for cleaner systems and more consistent performance.
- **Water Separation:** Separates water quickly and includes anti-foam agents to help reduce rust, corrosion, and air entrainment.
- **Lower Operating Cost:** Practical formulation that helps control maintenance costs while keeping systems cleaner and running longer.

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 VG		
Viscosity @ 40 °C, cSt	32	46	68
Flash Point, °C(°F)	>190 (374)	>190 (374)	>190 (374)
Demulsibility @ 54 °C	Pass	Pass	Pass
FOAM Sequence II	Pass	Pass	Pass
Oxidation (TOST), Hours	5,000+	5,000+	5,000+
Product Code	CAW32	CAW46	CAW68

*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.