

LUBRAL AW HYDRAULIC OIL ISO 46

ANTIWEAR HIDRAULIC OIL

DESCRIPTION

Lubricant made with high quality paraffinic base oils, filtered and with carefully added additives to achieve immediate responses in all hydraulic systems.

BENEFITS

- High permanent cleaning in the system.
- High control demulsibility to work under water contamination conditions.
- Excellent protection against wear.
- High viscosity index, which allow it a good thermal stability.
- High oxidation and corrosion resistance.
- Do not damage the seals of hydraulic systems.
- High resistance to sludge formation.
- Excellent heat dissipation.
- Low volatility.

APPLICATIONS

Recommended for use in most hydraulic systems with gear, radial piston, axial and vane pumps, hydraulic actuators, presses, machine tool transmissions, air compressors where pressures and speeds require an anti-wear product, as well as cranes, forklift lifting systems, machine transmissions, tools, injection machines, support shears, turners, water pumps, among others.

These oils provide excellent performance in terms of the operating system and protection against wear.

Also, HIDRAULICO AW oils meet or exceed the industrial and equipment manufacturers specifications listed below:

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|------------------------------------|---------------------------------------|-----------------------------------|
| • Parker Denison HF-0, HF-1, HF-2. | • DIN 51524 PART 1,2,3 | • SWEDISH STANDARD SS 155434:2015 |
| • GM LS-2 | • U.S. Steel 126 | • ZF TE-ML 07H |
| • Eaton Brochure 03-401-2010 | • Bosch Rexroth RE90220 | • ZF TE-ML 21M |
| • E-FDGN-TB002-E | • Fives Cincinnati P-68, P-69 & P-70. | • SAE MS1004 |
| • JCMAS HK P041 | • ISO 11158 HL, HM, HV. | |
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CHARACTERISTICS

TESTS	ASTM METHOD	TYPICAL VALUE
ISO Viscosity Grade		46
Color	ASTM D-1500	1.0
Appearance	Visual	Bright
Kinematic viscosity @40°C, cSt	ASTM D-445	46
Kinematic viscosity @100°C, cSt	ASTM D-445	6.8
Viscosity index	ASTM D-2270	107
Flash point, °C	ASTM D-92	218
Pour point, °C	ASTM D-92	-27
Demulsibility oil-water-emulsion, ml/30min	ASTM D-1401	40-40-0
Rust formation resistance	ASTM D-665	Pass
Foam ml/min, max.	ASTM D-892	
Sequence I		20
Sequence II		50
Sequence III		20
Corrosion in copper strip, 3h @100°C	ASTM D-130	1b

Typical Characteristics are those obtained with normal tolerance of production and no constitute a specification. Variations, that do not affect the yield product during the normal manufacturing and on different mixing locations are expected.

Information contained in this document is held to changes without previous advisement. The availability of the products could vary depending on the location. For further information, contact venta@lubral.com.