

LUBRAL HIGH PERFORMANCE HIDRÁULIC OIL ISO 46

HIDRAULIC OIL

DESCRIPTION

Lubricant made with hydrotreated paraffinic base oils and latest generation additives that allow optimal performance in hydraulic systems with servo mechanisms.

BENEFFITS

- High filtración level.
- Excellent demulsibility.
- Extraordinary protection against wear.
- High thermal stability.
- Superior resistance to oxidation and corrosion compared with conventional hydraulic oils.
- Seals protection of hydraulic systems.
- Low volatility.

APPLICATIONS

It is recommended for use in high performance hydraulic systems where the oxidation deposits formation (resins, gums, lacquers) is critical and where the presence of small amounts of water is unavoidable such as numerical control machines (CNC) and particularly those systems where servo-valves, hydraulic actuators such as presses,

machine tool transmissions, air compressors that require oils with AW characteristics are used, as well as cranes, forklift lifting systems, water pumps, etc. Applications where there is formation of deposits and sludge with conventional oils and machinery in general such as: forklifts, mining equipment, plastic injection and molding machines.

SPECIFICATIONS:

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

CHARACTERISTICS

TESTS	ASTM METHOD	TYPICAL VALUE
Viscosity grade ISO		46
Color	D-1500	1.0
Appearance	Visual	Bright
Kinematic Viscosity @40 °C, cSt	D-445	46
Kinematic Viscosity @100 °C, cSt	D-445	7.0
Viscosity Index	D-2270	103
Flash point COC, °C	D--92	218
Pour point, °C	D-97	-20
Demulsibility oil-water-emulsion, ml in 30 minutes	D-1401	40-40-0
Resistance to rust formation	ASTM D-665	Pass
Foaming Tendency / Stability ml, max.	ASTM D-892	
Sequence I		20/0
Sequence II		50/0
Sequence III		20/0
Copper sheet corrosion 3h @100 °C	ASTM D-130	1b
Neutralization number, mg KOH / gr	ASTM D-974	0.45
Oxidation life test TOST, h	ASTM D-943	5000

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