

# LUBRAL HIGH-PERFORMANCE HYDRAULIC OIL ISO 22

## HYDRAULIC SYSTEM OIL

### DESCRIPTION

Lubricant made with hydrotreated paraffinic base oils and state-of-the-art additives that allow optimum performance in hydraulic systems with servomechanisms.

### BENEFITS

- High filtration level.
- Excellent demulsibility.
- Outstanding wear protection.
- High thermal stability.
- Resistance to oxidation and corrosion superior to conventional hydraulic oils.
- Protection of hydraulic system seals
- Low volatility

### APPLICATIONS

It is recommended for use in high performance hydraulic systems where the formation of oxidation deposits (resins, rubbers, lacquers) is critical and where the presence of small amounts of water is inevitable, such as numerical control machines (CNC) and particularly those systems where servo-valves are used, hydraulic actuators such as presses, machine transmissions, tools, air compressors that

require oils with AW characteristics, as well as cranes, forklift lift systems, water pumps, etc. Applications where there is deposit and sludge formation with conventional oils and machinery in general such as: auto lifts, mining equipment, plastic molding and injection molding machines.

### SPECIFICATIONS AND APPROVALS

- 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
ISO Viscosity Grade		22
Color	ASTM D1500	1.0
Appearance	Visual	Bright
Kinematic Viscosity @ 40 °C, cSt	ASTM D445	22
Kinematic Viscosity @ 100 °C, cSt	ASTM D445	4
Viscosity Index	ASTM D2270	102
Flash Point COC, °C	ASTM D92	200
Pour Point, °C	ASTM D97	-20
Water Separability, mL	ASTM D1401	40-40-0
Resistance to rust formation	ASTM D665	Pass
Foam Tendency mL, máx.	ASTM D892	
Sequence I		20
Sequence II		50
Sequence III		20
Corrosiveness to Copper by Copper Strip 3h @ 100 °C	ASTM D130	1b
Oxidation life time TOST, h	ASTM D943	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](mailto:venta@lubral.com)