# LUBRAL HVI HYDRAULIC OIL ISO 68

## HYDRAULIC FLUID WITH HIGH VISCOUSITY INDEX DynaVis® TECHNOLOGY

## DESCRIPTION

High viscosity index hydraulic fluid with DynaVis® technology, made with highly refined mineral base stocks and state-of-the-art additives that provide improved resistance against wear, oxidation, corrosion and foaming. It has high thermal stability, as well as high shear stability, which allows it to maintain stable viscosities in extreme operating temperatures, allowing for more efficient energy consumption, extending equipment life and improving productivity.

## BENEFITS

- Extraordinary protection against wear.
- High viscosity index.
- High thermal stability.
- Resistance to oxidation and corrosion, superior to conventional hydraulic oils, avoiding the generation of sludge and varnish.
- Protection of hydraulic system seals.
- Low volatility.
- High shear and/or shear stability, avoiding pressure drops and loss of viscosity.
- Decrease in energy consumption.
- Excellent demulsibility.

## APPLICATIONS

It is recommended for use in high performance hydraulic systems of industrial equipment such as: injection molding and plastic molding machines, machines and tools, presses, cranes, air compressors requiring hydraulic oils, mobile construction, mining, earth moving, marine and agricultural equipment, forklift lift systems, water pumps, etc., where the formation of temperature oxidation deposits (resins, varnishes and lacquers) is critical.

LUBRA ULTRA HVI oils meet and exceed industrial and OEM specifications.

- DynaVis® Standard
- DIN 51524 PART 1,2,3
- U.S. Steel 127,136
- JCMAS HK
- Bosch Rexroth RDE 90235
- GM LS-2
- Eaton Vickers
- Parker Denison HF-0
- SAE MS1004
- FIVES Cincinnati P-68

## CHARACTERISTICS

| TESTS | ASTM METHOD | TYPICAL VALUE |
|---|---|---|
| ISO Viscosity Grade | | 68 |
| Color | ASTM D1500 | 1.0 |
| Appearance | Visual | Bright |
| Densidad @ 15°C, g/cm$^3$ | ASTM D4052 | 0.87 |
| Kinematic Viscosity @ 40 ºC, cSt | ASTM D445 | 68 |
| Kinematic Viscosity @ 100 ºC, cSt | ASTM D445 | 11.4 |
| Viscosity Index | ASTM D2270 | 162 |
| Flash Point COC, °C | ASTM D92 | 226 |
| Pour Point, °C | ASTM D97 | -36 |
| Water Separability, mL | ASTM D1401 | 40-40-0 |
| Resistance to rust formation | ASTM D665 | Pass |
| Foam Tendency mL, máx. | ASTM D892 | |
| Sequence I | | 20/0 |
| Sequence II | | 50/0 |
| Sequence III | | 20/0 |
| Corrosiveness to Copper by Copper Strip 3h @ 100 °C | ASTM D130 | 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