



We are committed to  
Reducing your maintenance cost !™



## Fully Synthetic Fluid for Hydraulic System

Biotope-Hydrau is a fully synthetic fluid without adding mineral oil. Biotope-Hydrau offers an excellent protection against wear. This essential feature maintains the pump efficiency. Biotope-Hydrau is compatible with the seals, resists corrosion and easily separates itself from the water and the debris in the separator/filter before returning again in the system.

Biotope-Hydrau has better resistance than conventional oil under extreme temperature, oxidation and stays cleaner through all the operations.

Oxidation in the field is promoted by turbulence, elevated temperature and the presence of metallic catalysts and other contaminants, including water. Products with good results in this tend to have greater longevity in service.

According to the test of stability of oil with turbines, ASTM D 943 shows that after 2000 hours there is no change in the TAN (Total Acid Number) and thus offers an increased resistance to oxidation.

Biotope-Hydrau meets the recommendations of Denison HFO, pumps Sundstrand, Vickers V-104C and 35VQ25.

## Advantages

- Resists against corrosion and oxidation
- Inherently Biodegradable
- Excellent anti-wear properties
- Avoids the oil loss due to sliding
- Compatible with the seals
- Separates itself easily from the water and debris
- Keeps the system cleaner
- Resists a wide range of temperature -34°C (-29°F) up to 121°C (249°F)
- Keeps its properties even under extreme condition of oxidation

---

The above information is true and precise to the best of our knowledge. All recommendations or suggestions are made without warranty since the circumstances and conditions are beyond our control.

Lubri-Lab Inc.: [www.lubrtilab.com](http://www.lubrtilab.com) [info@lubrilab.com](mailto:info@lubrilab.com)  
1540, de Coulomb, Boucherville QC Canada J4B 8A3  
Toll free Canada- USA: (888) 449-1626 T. + 450 449-1626 Fax: + 450 449-9174  
ISO 9001:2015. C-TPAT validated and certified



We are committed to  
Reducing your maintenance cost !™



### Fully Synthetic Fluid for Hydraulic System

| Properties   | 15         | 32          | 46           | 68          |
|--|------------|-------------|--------------|-------------|
| Kinematic Viscosity @ 100°C, cSt                                 | 3.4        | 5.8         | 8.1          | 11.3        |
| Kinematic Viscosity @ 40°C, cSt                                  | 13.9       | 30.6        | 44.8         | 64.99       |
| Viscosity Indexes  | 121        | 133         | 156          | 168         |
| Density  | 0.832      | 0.844       | 0.846        | 0.848       |
| Flash Point, °C (°F)   | 170 (338)  | 208 (406)   | 180 (356)    | 214 (417)   |
| Fire Point, °C (°F)  | 192 (378)  | 280 (536)   | 275 (528)    | 276 (529)   |
| Pour Point, °C (°F)  | -57 (-71)  | -48 (-54)   | -48 (-54)    | -45 (-49)   |
| Demulsibility 82.2°C (180°F) ASTM D1401 Oil/Water/Cuff (minutes) | 40/40/0(3) | 40/40/0 (3) | 40/40/0/ (5) | 40/40/0 (6) |

| Test                      | Method    | USS 224 | Results |
|---------------------------|-----------|---------|---------|
| Precipitation No.         | D91       | Trace   | Nil     |
| Oxydation % Precipitation | USS S-200 | 0.1 max | Trace   |
| Copper corrosion          | D130      | 1B max  | 1A      |
| Steel corrosion Part A    | D665      | Pass    | Pass    |
| Part B                    |           | Pass    | Pass    |

Availability : 20 liters, 55 liters, 205 liters.  
5 gallons, 15 gallons, 55 gallons.

The above information is true and precise to the best of our knowledge. All recommendations or suggestions are made without warranty since the circumstances and conditions are beyond our control.

Lubri-Lab Inc.: [www.lubrilab.com](http://www.lubrilab.com) [info@lubrilab.com](mailto:info@lubrilab.com)  
1540, de Coulomb, Boucherville QC Canada J4B 8A3  
Toll free Canada- USA: (888) 449-1626 T. + 450 449-1626 Fax: + 450 449-9174  
ISO 9001:2015. C-TPAT validated and certified