



ISO-9001 Registered Quality System.  
ISO-21469 Compliant.

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## PRODUCT DATA

# LUBRIPLATE HYDRAULIC OILS

## HO-32, HO-46 & HO-68

### DESCRIPTION

LUBRIPLATE has developed a complete line of high performance, high and low pressure anti-wear hydraulic oils with excellent oxidation and thermal stability, water tolerance and hydrolytic stability and resistance to yellow metal corrosion. These LUBRIPLATE Hydraulic Oils meet the requirements of:

#### OEM

Vickers (Eaton)  
General Motors  
Cincinnati Milacron  
Bosch Rexroth  
German Steel Industry  
DIN 51524  
AFNOR NF E 48-603  
U.S. Steel  
SAE

#### SPECIFICATION

M-2950-S & I-286-S  
LS-2  
P-68, P-69, P-70  
RE 90 220  
SEB 181222  
Part I & II  
Part I & II  
No. 126, 127, 136  
MS 1004

### APPLICATIONS

These LUBRIPLATE Hydraulic Oils are designed for high performance, anti-wear hydraulic operations. These products minimize the formation of sludge and other corrosive breakdown products which can cause reduction of pump life, filter blocking, and interfere with efficient hydraulic power transfer. This is especially true of Servo valves in modern equipment where the close tolerances between valve assemblies can be hindered by even very low concentrations of sludge. These LUBRIPLATE "HO" Oils are also designed to resist the hydrolyzation of the combination of additives, high operating temperatures and the unavoidable, ever-present, moisture in hydraulic systems which, if not controlled, causes corrosion in phosphor-bronze parts and reduces the anti-wear performance, thus reducing pump life significantly.

### ADVANTAGES

- ⇒ High performance anti-wear properties
- ⇒ Oxidation and thermal stability
- ⇒ Excellent filterability in fine filtration systems
- ⇒ Demulsibility
- ⇒ Hydrolytic stability for extended fluid life
- ⇒ Extended pump life
- ⇒ Resistance to yellow metal corrosion.



### Typical Test Data

| PROPERTY              | TEST METHOD | TYPICAL RESULTS*                 |                 |                 |
|-----------------------|-------------|----------------------------------|-----------------|-----------------|
|                       | ASTM        | HO-32                            | HO-46           | HO-68           |
| Viscosity: cSt @ 40°C | D-445       | 34.79                            | 46.34           | 69.83           |
| cSt @ 100°C           | D-445       | 5.2                              | 6.4             | 8.2             |
| SUS @ 100°F           | D-2161      | 173                              | 240             | 328             |
| SUS @ 210°F           | D-2161      | 47                               | 51              | 55              |
| SAE                   |             | 10                               | 20              | 20              |
| ISO                   |             | 32                               | 46              | 68              |
| Viscosity Index       | D-2270      | 129                              | 117             | 106             |
| Flash Point           | D-92        | 440°F/<br>227°C                  | 470°F/<br>243°C | 475°F/<br>246°C |
| Fire Point            | D-92        | 480°F/<br>249°C                  | 510°F/<br>266°C | 510°F/<br>266°C |
| Pour Point            | D-97        | -40°F/<br>-40°C                  | -35°F/<br>-37°C | -20°F/<br>-29°C |
| Gravity               | D-287       | 32.3                             | 32.0            | 31.8            |
| Color                 | D-1500      | L-1                              | L-1             | L-1.5           |
| Aniline Point 220°F   | D-611       | 220°F                            | 240°F           | 250°F           |
| Oxidation             | D-943       | ***Typically above 3000 hours*** |                 |                 |
| Dielectric Strength   | D-877       | ***Typically above 35 kV***      |                 |                 |

#### PACKAGING AVAILABLE

Carton, 4/1 Gallons  
5 Gallon Pail  
55 Gallon Drum

#### HO-32

L0770-057  
L0770-060  
L0770-062

#### HO-46

L0771-057  
L0771-060  
L0771-062

#### PACKAGING AVAILABLE

Carton, 4/1 Gallons  
5 Gallon Pail  
55 Gallon Drum

#### HO-68

L0772-057  
L0772-060  
L0772-062