

# Humble Hydraulic H

## Hydraulic Oil

### Product Description

The Humble Hydraulic H Series oils are quality anti-wear hydraulic oils designed to meet the requirements of most fluid power systems. They exhibit good anti-wear properties that help reduce the wear rates in gear, vane and piston pumps. They also possess a high level of resistance to oxidation and thermal degradation that helps control the formation of system deposits. The Humble Hydraulic H line also has good water separation properties, rust and corrosion prevention, and foam resistance. They are formulated with high quality base oils and a performance additive system.

### Features and Benefits

The Humble Hydraulic H Series oils provide good anti-wear protection reducing wear in pumps and actuators in open or closed-loop systems. Their high resistance to oxidation and thermal degradation helps reduce the formation of deposits and varnish. The Humble Hydraulic H Series offers the following benefits:

- Good anti-wear protection improves pump life
- High resistance to oxidation eliminates deposit formation and improves oil life
- Good water separation properties allow easy removal of water from systems reducing potential damage to system components

### Applications

- Fluid power systems prone to deposit and varnish formation
- Hydraulic systems using gear, vane and piston pumps
- Hydraulic pumps and components requiring anti-wear fluids

### Typical Properties

| <b>Humble Hydraulic H</b>     | <b>32</b>    | <b>46</b>     | <b>68</b>     | <b>100</b>    |
|-------------------------------|--------------|---------------|---------------|---------------|
| ISO viscosity grade           | 32           | 46            | 68            | 100           |
| Viscosity                     |              |               |               |               |
| cSt @ 40°C                    | 31.0         | 44.5          | 65.0          | 99.0          |
| cSt @ 100°C                   | 5.4          | 6.7           | 8.5           | 11.1          |
| Viscosity index, ASTM D 2270  | 95           | 95            | 95            | 95            |
| Pour point, ASTM D 97 °C      | -18          | -18           | -12           | -9            |
| Flash Point, ASTM D 92 °C(°F) | 206(403)     | 216(421)      | 222(432)      | 232(450)      |
| Demulsibility, ASTM D 1401    | 40/40/0 (15) | 40/40/0 (15)  | 41/39/0 (20)  | --            |
| Vickers 104C (IP281)          | Pass         | Pass          | Pass          | Pass          |
| Vickers M-2950-S              | -            | Quality Level | Quality Level | Quality Level |
| Vickers I-286-S               | --           | Quality Level | Quality Level | Quality Level |





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|---------------------------|-----------|-----------|-----------|------------|
| TOST, ASTM D943           | 2000+     | 2000+     | 2000+     | 2000+      |

## Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

ExxonMobil Lubricants & Specialties

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