

# HYDRAULIC HP

## Premium Synthetic



### Features & Benefits

- All season synthetic anti-wear hydraulic oil
- Excellent cold weather pour point
- Hydraulic and hydrostatic systems
- Protects against rust and corrosion
- Extended drain intervals with regular used oil analysis
- Ideal for forestry & construction equipment
- Excellent anti-foam properties

**HYDRAULIC HP PREMIUM** is a high performance 100% synthetic anti-wear hydraulic fluid developed to provide extended service life and year round performance. The synthetic base oil and superior additive chemistry offers advanced wear, corrosion protection and was designed for use in hydrostatic systems commonly used in construction and forestry equipment.

**HYDRAULIC HP PREMIUM** has a wide operating temperature range and provides better productivity, better operational flexibility and the possibility of using one grade year round instead of having to change grades of regular hydraulic oil with the seasons. It is well suited to use in mobile machinery and fixed machinery in outside locations.

**HYDRAULIC HP PREMIUM** is suitable for use with all types of hydraulic pumps and motors, even at pressures as high as 5,000 psi (350 Bar). It is NOT recommended for use with those pumps that contain silver-plated parts. Instead, use **SYNTHETIC CIRCULATING**.

### Specifications

Suitable for use where the following industry standards are called for:
ASTM D6158 HV
DIN 51524 Part 2 & 3
Eaton 03-401-2010
Fives Cincinnati P-70
ISO 11158- HV & HM
Parker HF-0, HF-1, HF-2
US Steel 126
China L-HM General

### Typical Results

HYDRAULIC HP PREMIUM	46
ASTM COLOUR (D1500)	1.0
VISCOSITY (D445)	
cSt @ 40°C	45.8
cSt @ 100°C	9.9
DENSITY @ 15°C (kg/L)	0.85
VISCOSITY INDEX (D2270)	210
POUR POINT (D97), (°C)	-42
FLASH POINT (D93), (°C)	197
OXIDATION LIFE (D943), (HRS)	8000+
ZINC CONTENT (ppm)	750
CALCIUM (ppm)	70
TAN (mgKOH/g)	0.79
PHOSPHORUS (ppm)	625

### Sizes & Order Codes

HP PREMIUM 46
18.9L/5 US G F0113940
Bulk B0113901



Blending & Packaging

www.irvingblend.com  
1.800.574.5823

Supporting data available to demonstrate appropriate performance.  
Check with your Sales Representative for latest product approvals.  
Please note, these are typical performance indicators and can change without notice.  
This data sheet supersedes any previous version prior to 11/29/2018