

# Hydraulic HP Premium

## High-Performance Synthetic Hydraulic Oil



### Features & Benefits

- Full Synthetic
- Multi-grade fluid
- All season
- Expanded operating temperature range
- Boosted zinc-based additive package
- Excellent corrosion and wear protection for extended pump life
- Superior foam resistance
- Excellent water tolerance
- Outstanding oxidation resistance for long service life

### Specifications

- Suitable for use

Specification/Claims	Hydraulic HP Premium
ATSM D6158 (HV)	■
Eaton 03-401 2010 (M-2590-S and I-286-S)	■
DIN 51524 - 3 (HVL P)	■
Fives Cincinnati (P70)	■
China L-HM General	■
ISO 11158 (HV)	■
U.S. Steel 126	■
Parker HF-0, HF-1, HF-2	■

### Typical Results

Test Method	Hydraulic HP Premium
ISO GRADE	46
DENSITY @ 15°C (D4052) (kg/L)	0.84
ASTM COLOUR (D1500)	1.0
VISCOSITY (D445) cSt @ 40°C cSt @ 100°C	45.8 9.9
VISCOSITY INDEX (D2270)	210
POUR POINT (D97) (°C)	-42
OXIDATION LIFE (D943) (hrs)	8000+
FLASH POINT (D93) (°C)	197
TOTAL ACID NUMBER (D664) (mgKOH/g)	0.8
ZINC CONTENT (D4951) (ppm)	750

### Sizes & Order Codes

Size	Hydraulic HP Premium
18.9 L / 5 US Gal	F0113940
Bulk	B0113901

**Hydraulic HP Premium** is a high-performance, multi-grade, anti-wear synthetic hydraulic fluid developed to match John Deere's Hydrau™ XR fluid. This oil will provide extended service life and year-round performance. The synthetic base oils and boosted additive chemistry offer advanced wear and corrosion protection and double the service life compared to typical hydraulic fluids.

**Hydraulic HP Premium's** synthetic base oils provide enhanced oxidative thermal stability for better fluid and equipment durability. This gives the oil an oxidation life of more than 8,000 hours, reducing total fluid consumption and extending maintenance intervals without sacrificing reliability.

**Hydraulic HP Premium's** multi-grade abilities allow the fluid to stand up to the high-shear environments of hydraulic pumps and motors. This allows for lower start-up temperature and higher operating temperature than the comparable monograde hydraulic oil. The expanded operating temperature range provides better productivity, operational flexibility and the possibility of using one grade year-round instead of changing grades of regular hydraulic oil with the seasons.

**Hydraulic HP Premium** is suitable for mobile and fixed machinery in outdoor locations, all 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.



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