

# HP-II

## High Performance Hydraulic Oils

### Description

**HP-II High Performance Hydraulic Oils** are advanced formula, long life, anti-wear hydraulic fluids. They are designed for high performance hydraulic systems operating under extreme conditions.

**HP-II High Performance Hydraulic Oils** are formulated with superior Group II crystal clear base oils processed to 99.9% purity. By removing impurities that can hinder the performance of competitive conventional oils, and blending in our specialty additives, **HP-II High Performance Hydraulic Oils** retain their “fresh oil” properties longer, providing resistance to oxidative breakdown and superior wear protection.

The use of Group II base stocks typically increases the D 943 oxidation performance to exceed 5,000 hours. **HP-II High Performance Hydraulic Oils** take your equipment to higher levels of performance.



### Features/Benefits

- Resists Degradation (Breakdown) in High Temperatures
- Superior Anti-wear Protection
- Outstanding Oxidation and Thermal Stability
- Reduces Maintenance and Mechanical Failure
- Enhanced Equipment Protection in Extreme Conditions
- Decreases Varnish Build Up

Meets or exceeds the requirements of all conventional and high-output industrial and mobile hydraulic systems requiring:

**ASTM D6158 HM, HMHP; Bosch Rexroth RDE-90235; Chinese Standard GB 11118.1 L-HM High Pressure and General; Danielli 0.000.001 Type 10 and 11 (ISO 46 and 68); DIN 51524-2 HLP; Eaton Brochure 03-401-2010; Eaton Lubricant Specification E-FDGN-TB002-E; Eaton Vickers I-286-S, M-2950-S; Fives Cincinnati P-68, P-70, P-69 (ISO 32, 46, 68); GM LS-2; ISO 11158 HM; JCMAS HK P041; Parker Denison HF-1, HF-2, HF-0; SAE MS1004; Swedish Standard SS 155434:2015; U.S. Steel 126; ZF TE-ML 07H, TE-ML 21M**

Physical, Chemical & Performance Properties			
ISO Grade	32	46	68
Product Number	1600	1620	1650
API Gravity @ 60°F	31.7	30.8	30.1
Viscosity @ 100°C, cSt	5.4	6.8	8.8
Viscosity @ 40°C cSt	32	46	68
Viscosity Index, typical	100	100	100
Pour Point °F, typical	-40	-35	-25
Vis Grade Performance			
Cincinnati Machine	P-68	P-70	P-69