



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