

# PresurFlo HiVi™



## Product Description

**PresurFlo HiVi™** is a high performance anti-wear hydraulic fluid that is specifically designed to meet the needs of industrial, high pressure, and mobile equipment. The shear stable high viscosity index allows for a wide operating temperature range while maintaining maximum hydraulic efficiency. The products are formulated with the highest quality base oils and a proprietary additive system that provides extraordinary performance in high pressure hydraulic systems. **PresurFlo HiVi™** ISO 15 has a high dielectric strength (40 kV) for use in electrical service equipment, such as cherry pickers. **PresurFlo HiVi™** has been extensively tested in the laboratory and in-service field testing to provide quantifiable increases in hydraulic efficiency. Hydraulic efficiency benefits can translate to increased machine productivity and reduced fuel consumption. The energy efficiency of **PresurFlo HiVi™** relates solely to the fluid performance when compared to a conventional hydraulic fluid.

## Product Features and Benefits

Quantifiable hydraulic efficiency provides up to 8% increase in hydraulic pump efficiency when compared to conventional hydraulic fluids.

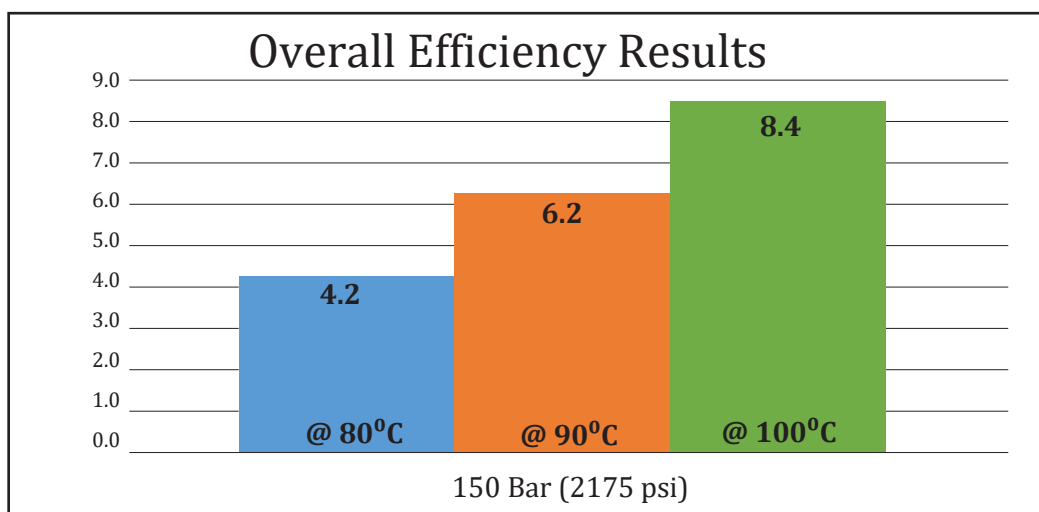
Superior varnish control reduces system deposits leading to increased component life.

Outstanding air release properties prevent aeration and cavitation damage in low residence time systems.

Shear stable high viscosity index delivers greater lubrication over a wide temperature range.

Excellent anti-wear protection helps reduce wear and protects pumps and components for extended equipment life.

Superior oxidation control and thermal stability may lead to extended oil drain intervals even under severe operating conditions.



## Typical Applications

Industrial and mobile equipment hydraulic systems operating at high pressures and temperatures.  
 Hydraulic systems where cold start-up and high operating temperatures are typical.  
 Hydraulic systems requiring a high load-carrying capability and anti-wear protection.

**PresurFlo HiVi™** ISO 15 can be used in applications requiring hydraulic fluids with dielectric strength, such as:

Hydraulic elevators, hoists and lifts

Electrical service equipment (cherry pickers), mobile construction equipment, and hydraulic control systems for machine tools and presses.

## Approvals and Specifications

**PresurFlo HiVi™** has the following OEM approval:

Parker Denison HF-0

**PresurFlo HiVi™** supports the performance requirements of:

ASTM D6158

Bosch Rexroth RD90220

DIN 51524 Part 1, 2, 3

Eaton Brochure 03-401-2010

General Motors LS-2

JCMAS HK

MAG IAS P-68, P-69, P-70

Parker Denison HF-1, HF-2

SAE MS1004

Sauer Danfoss

US Steel 127 and 136

## Typical Properties

ISO Viscosity Grade	Test Method	15	32	46	68
Viscosity @ 100°C, cSt	ASTM D445	3.8	6.8	9.2	12.2
@ 40°C, cSt	ASTM D445	15	31.7	46.5	68.6
Viscosity Index	ASTM D2270	155	180	180	180
Pour Point, °F (°C)	ASTM D97	-81.4 (-63)	-63 (-53)	-56 (-49)	-53 (-47)
Flash Point, °F (°C)	ASTM D92	325 (162)	410 (210)	425 (218)	440 (267)
API Gravity	ASTM D1298	35.6	33.1	32	30.7
Dielectric Strength, kV (min)	ASTM D877	40	40	40	40
Oxidation Life, Typical Hours	ASTM D943	10,000	10,000	10,000	10,000

### D-A Part Number:

Bulk	55391	55361	55371	55381
Tote – 330 Gal	55393	55363	55373	55383
Drum – 55 Gal	N/A	55362	55372	55382
Pail (Plastic) – 5 Gal	N/A	55638	55378	N/A