

Product Description

PresurFlo[™] HiVi with DYNAVIS[®] 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 with DYNAVIS[®] 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

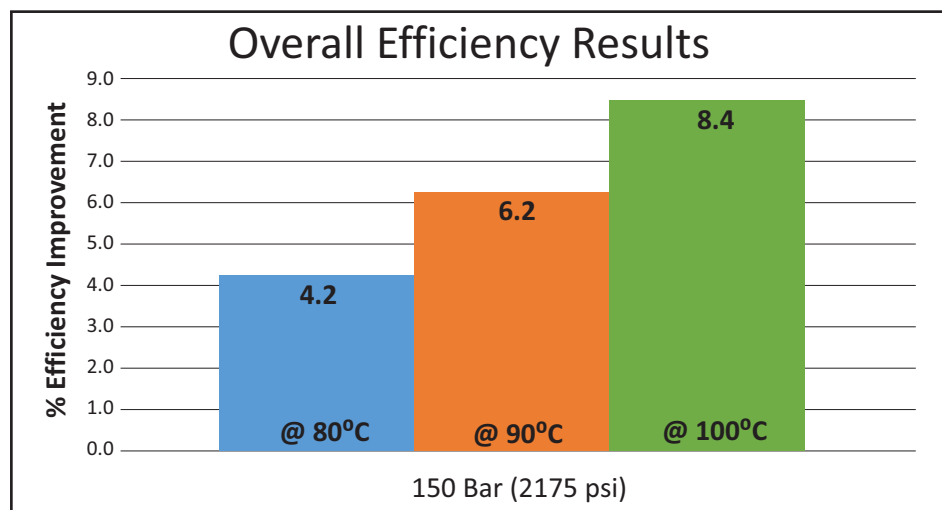
Superior varnish control reduces system deposits leading to increased component life

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

Oxidation and thermal stability extends oil drains even under severe operating conditions



D-A Lubricant Company, Inc.

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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

Specifications and Approvals

PresurFlo HiVi with DYNAVIS[®] has the following OEM approval
Parker Denison HF-0



PresurFlo HiVi with DYNAVIS[®] supports the performance requirements of

ASTM D6158	JCMAS HK
Bosch Rexroth Rd90220	MAG IAS P-68, P-69, P-70
DIN 51524 Part 1, 2, 3	Parker Denison HF-1, HF-2
DYNAVIS [®] performance standard	SAE Ms1004
Eaton Brochure 03-401-2010	Sauer Danfoss
General Motors LS-2	US Steel 127 and 136

*DYNAVIS[®] is a registered trademark of Evonik Oil Additives GmbH, more information on dynavis.com

Typical Properties

ISO Viscosity Grade		32	46	68
Viscosity				
@210°F, SUS	ASTM D445	48.4	60.7	70.64
@100°F, SUS	ASTM D445	153.9	222.9	328.3
@100°C, cSt	ASTM D445	6.78	9.18	12.18
@40°C, cSt	ASTM D445	31.7	46.5	68.6
Viscosity Index	ASTM D2270	180	180	180
Flash Point, °F (°C)	ASTM D92	410 (210)	425 (218)	440 (267)
Pour Point, °F (°C)	ASTM D97	-63 (-53)	-56 (-49)	-53 (-47)
API Gravity, °	ASTM D1298	33.1	32	30.7
Density @15°C, kg/m ³	ASTM D1298	0.859	0.865	0.872
Copper Strip Corrosion	ASTM D130	1B	1B	1B
Foaming Sequence I, II, III	ASTM D892	Pass	Pass	Pass

To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823) or Fax orders to 765-482-3065

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