

HydraSafe HiVi™



Product Description

HydraSafe HiVi™ is a high viscosity index, high performance anti-wear hydraulic fluid specially designed to meet the needs of industrial and modern high-pressure hydraulic systems. **HydraSafe HiVi™** is environmentally sensitive due to its zinc free anti-wear additives that provide a well-balanced performance in a wide range of applications. The product line is constructed from high quality thermally stable base stocks to deliver extended drain intervals. The shear stable high viscosity index offers a wide operating temperature range while maintaining superior film strength to protect internal componentry. The Zinc free anti-wear system provides excellent protection of yellow metal often found in gear, vane, and piston pumps. **HydraSafe HiVi™** has been rigorously tested for its durability while simultaneously passing environmental tests to deliver a low toxicity, environmentally sensitive hydraulic fluid.

Product Features and Benefits

No compatibility issues with zinc containing fluids or other ash-less anti-wear hydraulic fluids.

Capable of extending oil drains resulting in reduced oil disposal costs.

Excellent filterability provides protection of critical hydraulic system components.

Superior air separation characteristics help prevent aeration and cavitation damage.

Typical Applications

Meets the performance requirements of:

Bosch Rexroth RE 90220
 Denison HF-0
 DIN 51524 Part II
 Eaton Vickers M-2950-S
 ISO 11158
 MAG IAS P68/P69/P70

Typical Properties

ISO Viscosity Grade	Test Method	22	32	46	68
Viscosity @ 100°C, cSt	ASTM D445	5.21	6.59	8.58	11.38
@ 40°C, cSt	ASTM D445	22	32	46	68
Viscosity Index	ASTM D2270	165	160	160	160
Pour Point, °F (°C)	ASTM D97	-68 (-56)	-54 (-48)	-50 (-46)	-47 (-44)
Flash Point, COC, °F (°C)	ASTM D92	431 (222)	467 (242)	464 (240)	473 (245)
API Gravity	ASTM D4052	36.4	35.5	34.8	32.5
FZG Test, Pass Stage	ASTM D5182	N/A	12	12	12
Copper Strip Corrosion	ASTM D130	1b	1b	1b	1b
Foam Test	ASTM D892	Pass	Pass	Pass	Pass
Zinc, ppm typical	ASTM D4951	Nil	Nil	Nil	Nil

D-A Part Number:

Bulk	54001	54011	54021	54031
Tote – 330 Gal	54003	N/A	N/A	N/A
Drum – 55 Gal	54002	54012	54022	N/A
Pail (Plastic) – 5 Gal	54008	54018	54028	54038