

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

PRODUCT AT A GLANCE

- High viscosity index
- Ash-less anti-wear hydraulic fluid
- Environmentally sensitive
- Zinc Free
- Wide operating temperature range
- Suitable for use in high pressure systems
- Extended drain intervals



D-A Lubricant Company, Inc.

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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	ASTM D2422	15	22	32	46	68
KV @ 100 °C, cst	ASTM D445	3.95	5.21	6.59	8.58	11.38
KV @ 40 °C, cst	ASTM D445	15	22	32	46	68
Viscosity Index	ASTM D2270	150	165	160	160	160
Density @ 15 °C	ASTM D1298	0.8378	0.8423	0.8473	0.8504	0.8628
Foam Test	ASTM D892	Pass	Pass	Pass	Pass	Pass
Pour Point, °C	ASTM D97	-58	-56	-48	-46	-44
Flash Point, °C	ASTM D92	185	222	242	240	245
Copper Corrosion	ASTM D130	1b	1b	1b	1b	1b
FZG, Fail Stage	ASTM D5182	n/a	n/a	12	12	12

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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