



UNITED HYDRO VESTA HYDRAULIC OIL HVX

Product Description:

United Hydro Vesta Hydraulic Oils HVX offer state of the art formulations that produce a line of universal anti-wear long life hydraulic oils having all the wear preventive characteristics required for the most severe of applications, including high pressure vane pumps. United Hydro Vesta Hydraulic Oil HVX are produced from carefully selected high quality, highly refined hydro-treated base oil and the addition of a balanced additive system, including a shear stable viscosity index improver in these oils, thereby providing total year-round protection in a variety of application. It is formulated with ashless and zinc free additive package that make it suitable for pump containing steel-on-bronze lubrication surfaces and silver plate.

United Hydro Vesta Hydraulic Oils HVX have excellent hydrolytic stability, providing protection to all hydraulic system components even in the presence of moisture. Additives used in some hydraulic oils break down under conditions of high temperature and moisture to form acids that can attack copper and its alloys such as brass and bronze.

Applications / Benefits:

- ▣ Outstanding cold temperature flow properties.
- ▣ Excellent anti-wear performance.
- ▣ Superior rust, anti-corrosion and oxidation stability.

Typical Characteristics:

Test Description	Method	32	46	68	100	150	220
ISO Viscosity Grade	-	32	46	68	100	150	220
Specific Gravity @ 15 °C	ASTM D 4052	0.855	0.862	0.865	0.868	0.882	0.898
Flash Point, °C	ASTM D 92	200	212	210	230	232	235
Pour Point, °C	ASTM D 97	-39	-36	-36	-33	-30	-24
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	31.6	44.5	66.1	99.6	145	225
cSt @ 100°C	ASTM D 445	6.21	7.8	10.6	14.8	19.1	25.6
Viscosity Index	ASTM D 2270	150	146	150	155	150	145
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5	<1.5	<2.0

Specifications, Approvals & Recommendations:

- Denison HF-0, HF-1, and HF-2
- Jeffry No. 87,
- Ford M-61C13227 13,
- U.S Steel 127, 136
- Cincinnati Machine P- 68 (ISO 32)
- Cincinnati Machine P- 70 (ISO 46)
- Cincinnati Machine P- 69 (ISO 68)
- Vickers M-2590-S
- Vickers I-286-S
- Lee Norse 100-1
- General Motor LH-04-1
- General Motor LH-06-1
- General Motor LH-15-1
- B.F. Goodrich