

UNITED HYDRO VESTA HYDRAULIC OIL HX

Product Description

Hydrotreated hydraulic oil offering 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. It is formulated with an ashless and zinc free additive package that make it suitable for pumps containing steel-on-bronze lubrication surfaces and silver plate. Featuring exceptional stability, this product demonstrates oxidation stability (TOST) exceeding 10,000 hours (time to reach 2 mg KOH/g).

This oil possess excellent thermal and oxidative stability. They can function for much longer operational periods without forming sludge, varnish or other degradation products, which adversely affects the operation and performance of today's modern hydraulic system components and filtration systems.

Possessing excellent hydrolytic stability, providing protection to all hydraulic system components even in the presence of moisture.

Applications / Benefits

- * Excellent anti-wear performance
- * Highly resistant to oxidation
- * Reduces deposit formation
- * Long operational period

Typical Characteristics

Test Description	Method	Unit	15	22	32	46
ISO Viscosity Grade	-	-	15	22	32	46
Density @ 15 °C	ASTM D 4052	kg/L	0.842	0.850	0.856	0.863
Flash Point	ASTM D 92	°C	190	198	214	220
Pour Point	ASTM D 97	°C	-36	-33	-30	-24
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	15.3	21.5	32.2	46.8
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	3.4	4.4	5.6	7.1
Viscosity Index	ASTM D 2270	-	105	111	112	109

Typical Characteristics

Test Description	Method	Unit				
ISO Viscosity Grade	-	-	68	100	150	220
Density @ 15 °C	ASTM D 4052	kg/L	0.869	0.874	0.883	0.889
Flash Point	ASTM D 92	°C	224	230	238	244
Pour Point	ASTM D 97	°C	-24	-21	-18	-12
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	69.3	99.1	150.3	227.2
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	8.9	11.2	14.9	19.6
Viscosity Index	ASTM D 2270	-	102	99	98	98

Suggested for the Following Uses

* ASTM	D6158 HL
* ASTM	D6158 HM
* ASTM	D6158 HV
* CHINESE STANDARD GB	111118.1 L-HL
* CHINESE STANDARD GB	111118.1 L-HM HIGH PRESSURE AND GENERAL
* DIN	51524 PART I HL
* DIN	51524 PART II HLP
* DIN	51524 PART III HVLP
* EATON BROCHURE	03-401
* EATON	E-FDGN-TB002-E
* FIVES CINCINNATI	P-68
* FIVES CINCINNATI	P-69
* FIVES CINCINNATI	P-70
* ISO	11158 HL
* ISO	11158 HM
* ISO	11158 HV
* JCMAS	HK
* PARKER DENISON	HF-0
* PARKER DENISON	HF-1
* PARKER DENISON	HF-2
* SWEDISH STANDARD	SS 15 54 34
* U.S STEEL	127

 Reference No.
 6322G2HYDHXREV1

 Last revised date:
 11/5/2025