

UNITED HYDRO VESTA HYDRAULIC OIL HV

Product Description

Hydrotreated hydraulic oil formulated in petroleum-based fluids recommended for hydraulic systems, transmissions and pumps operating under wide variations of conditions and temperatures. The product's high viscosity indices and low pour points provide fluids with low viscosity for proper flow at cold temperatures and exceptional fluid-film strengths at high temperatures.

This products are produced from carefully selected high quality, highly refined hydro-treated base oil and a balanced additive system (including a shear stable viscosity index improver), thereby providing total year-round protection in a variety of application.

This helps protect equipment from rust and corrosion and provide long-term oxidation stability. Antiwear agents used also provide protection for all types of hydraulic pumps.

Applications / Benefits

- * Outstanding cold temperature flow properties
- * Excellent anti-wear performance
- * Superior rust and anti-corrosion
- * Provides oxidation stability

Typical Characteristics

Test Description	Method	Unit	ISO 15	ISO 22	ISO 32	ISO 46
ISO Viscosity Grade	-	-				
Density @ 15 °C	ASTM D 4052	kg/L	0.842	0.846	0.857	0.864
Flash Point	ASTM D 92	°C	180	182	200	216
Pour Point	ASTM D 97	°C	-45	-45	-39	-36
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	15.1	20.9	33.0	47.8
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	3.9	4.8	6.5	8.2
Viscosity Index	ASTM D 2270	-	160.0	160.0	156.0	145.0

Typical Characteristics

Test Description	Method	Unit			
ISO Viscosity Grade	-	-	ISO 68	ISO 100	ISO 150
Density @ 15 °C	ASTM D 4052	kg/L	0.869	0.875	0.877
Flash Point	ASTM D 92	°C	220	232	244
Pour Point	ASTM D 97	°C	-33	-30	-27
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	66.0	107.1	141.6
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	10.5	14.2	17.6
Viscosity Index	ASTM D 2270	-	148.0	135.0	137.0

Suggested For The Following Uses

* AIST	126
* ASTM	D6158 (HL, HM, HV)
* ASTM	D6158 HMHP, HVHP
* BOSCH REXROTH	RDE 90235
* CHINESE STANDARD GB	GB 11118.1 L-HL & L-HM HIGH PRESSURE AND GENERAL
* DANFOSS (EATON)	E-FDGN-TB002-E
* DANFOSS (EATON)	35VQ25
* DANFOSS (EATON)	BROCHURE 03-401-2010
* DANIELI	0.000.001 TYPE 10 & 11
* DIN	51524-2 (HM)
* DIN	51524-3 (HV)
* EATON VICKERS	I-286-S
* EATON VICKERS	M-2950-S
* FIVES CINCINNATI	P-68
* FIVES CINCINNATI	P-69
* FIVES CINCINNATI	P-70 (HM, HV)
* GB	11118.1 (L-HL, L-HM, L-HV, L-HS)
* GM	LS-2
* ISO	11158 (HL & HM)
* JCMAS	P041 HK HYDRAULIC SPECIFICATION
* KAWASAKI	K5V80S PISTON PUMP TEST
* PARKER DENISON	HF-0
* PARKER DENISON	HF-1
* PARKER DENISON	HF-2 (HM, HV)
* SAE	MS 1004 (HM, HV)
* SWEDISH STANDARD	SS 155434:2015
* ZF	TE-ML 07H
* ZF	TE-ML 21M

 Reference No.
 6301G2HYDHRREV1

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