

Entro HVI X

Description :

Divyol Entro HVI X Type Hydraulic Oils are specially developed for applications subjected to wide range of temperatures. These oils have excellent oxidation and thermal stability with outstanding anti wear and filterability characteristics to meet the stringent requirements of various latest hydraulic systems using high pressure high output pumps. These oils are formulated with high viscosity index hydrotreated base oils, a highly shear stable polymer and an advance additive system to resist breakdown under mechanical stress and heat which allows for an extended service life.

Performance Level : Meets

DIN 51524, Part II, Part III,
Eaton E - FDGN - TB002 - E,
Parker Denison HF-0, HF-1, HF-2,
Cincinnati Fives P-68, P-69, P-70,
ISO 11158 (HL, HM, HV),
Bosch Rexroth RDE 90235,
JCMAS HK P041,
BIS 11656-1986 (Reaffirmed 2013),
US Steel 126,
ZF TE-ML 07H,
ZF TE-ML 21M,
ASTM D 6158 (HL, HM, HV),
Chinese Standard GB 11118-1L-HL & L-HM (High pressure and General),
Eaton Brochure 03-401-2010,
Eaton lubricants specifications E-FDGN-TB002-E,
Danieli 0.000.001 Type 10 and 11,
SAE MS 1004,
Swedish Standard SS 155434:2015.

Application :

Divyol Entro HVI-X type Hydraulic Oils are recommended for all heavy duty hydraulic applications (mobile & stationery). It is recommended for hydraulic systems of excavators, cranes and hydrostatic drives subject to severe outdoor conditions.

Performance Benefits :

- High Viscosity Index
- Excellent Corrosion Protection
- Exceptional Anti-Wear Protection
- Outstanding Oxidation Stability

Typical Physical Characteristics :

Sr. No.	Characteristics	Test Method	Entro HVI X		
			46X	68X	100X
1	Appearance	Visual	Bright & Clear		
2	Colour	ASTM D 1500	L 0.5	L 0.5	L 0.5
3	Kinematic viscosity @ 40°C, cSt	ASTM D 445	42 - 50	62 - 74	90 - 110
4	Kinematic viscosity @ 100°C, cSt	ASTM D 445	8.5	11.0	15.4
5	Viscosity index	ASTM D 2270	160	160	160
6	Flash point, COC, °C	ASTM D 92	220	230	235
7	Pour point, °C	ASTM D 97	Minus 36	Minus 36	Minus 24
8	Emulsion Test @ 54 °C ml	ASTM D 1401	40 - 37 - 3 (15)	40 - 37 - 3 (15)	-
9	Emulsion Test @ 82 °C ml	ASTM D 1401	-	-	40 - 37 - 3 (20)
10	FZG, Rating Stage Failure	ASTM D 5182	12	12	12
11	Copper Strip Corrosion @ 100°C for 3 Hrs.	ASTM D 130	1a	1a	1a
12	Turbine oil stability test, Hrs.	ASTM D 943	5000+	5000+	5000+
13	Foaming test, foaming stability after 10 Min. settling time, foam, ml @ 24 °C @ 93 °C @ 24 °C after cool down from 93 °C	ASTM D 892	Nil Nil Nil	Nil Nil Nil	Nil Nil Nil
14	Neutralisation Number mg KOH/g.	ASTM D 664	1.0	1.0	1.0
15	Rusting Test	ASTM D 665B	Pass	Pass	Pass