

Entro HVI

Description :

Divyol Entro HVI are anti-wear HVI type hydraulic oils formulated with superior quality hydrotreated base stocks and have very high viscosity index, very low pour point and excellent low temperature fluidity.

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.

Application :

- Divyol Entro HVI Type Hydraulic Oils are recommended for use in equipment working at high altitudes and wide ambient temperature variations.
- It is used in heavy duty operations as fluid media in all hydraulic system including Tata Hitachi Excavators, JCB, KOMATSU (off-highway equipment) where very low operating temperatures are encountered and the application demands use of a very high viscosity index oils.

Performance Benefits :

- High viscosity index
- Excellent anti-wear properties
- Minimal deposit formation
- Excellent demulsification and anti-foam characteristics

Typical Physical Characteristics :

Sr. No.	Characteristics	Test Method	Entro HVI Range			
			32	46	68	100
1	Appearance	Visual	Bright & Clear			
2	Colour	ASTM D 1500	1.0	1.0	1.0	1.0
3	Specific gravity @ 29.5°C	ASTM D 1298	To report	To report	To report	To report
4	Kinematic viscosity @ 40°C, cSt	ASTM D 445	30 - 33	42 - 50	62 - 74	95 - 105
5	Kinematic viscosity @ 100°C, cSt	ASTM D 445	To report	To report	To report	To report
6	Viscosity index	ASTM D 2270	150	150	150	150
7	Flash point, COC, °C	ASTM D 92	210	220	225	240
8	Pour point, °C	ASTM D 97	Minus 30	Minus 33	Minus 36	Minus 30
9	FZG, fail load stage	ASTM D 5182	12	12	12	12
10	Copper Strip Corrosion @ 100°C for 3 Hrs.	ASTM D 130	1a	1a	1a	1a
11	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	Nil Nil Nil
12	TOST Value, Hrs.	ASTM D 943	5000+	5000+	5000+	5000+
13	Neutralization Number mg KOH/g	ASTM D 664	1.0	1.0	1.0	1.0
14	Rusting Test	ASTM D 665B	Pass	Pass	Pass	Pass