

Entro HVI TH (Plus)

Description :

Entro HVI TH (Plus) are high quality ashless anti-wear hydraulic oils specifically engineered for modern hydraulic systems that operate with high pressure, high output pumps. They are designed to perform across a wide temperature spectrum or in scenarios where minimal viscosity changes are required with temperature fluctuations. These oils are made with high grade paraffinic base oils, a highly shear stable polymer, and an innovative ashless additive systems, which helps to minimize environmental impact in case of spills.

Performance Level : Meets

DIN 51524 Part I, Part II, Part III (HLP, HVLP),
AFNORFE 48-603 (HV)
FIVES CINCINNATI (Formerly MAG IAS LLC) P-68, P-69, P-70,
DENISON HF-0, HF-1, HF-2,
BIS 11656 (Reaffirmed 2013),
US STEEL 126/127/136,
EATON E FDGN TB 002E,
ISO 11158 (HM, HV),
SS 155434,
SEB 181222,
GMLS - 02,
ISO 6743 / 4 (HM, HV),
DIN 51506 (VCL, VBL, VDL).

Application :

Divyol Entro HVI TH type Hydraulic Oils TH-46 (Plus) and TH-68 (Plus) are high viscosity index, low pour point blends specially formulated for heavy duty operations as fluid media in all hydraulic system including Tata Hitachi Excavators, JCB and KOMATSU (off highway equipment) where very low operating temperatures are common and the application demands use of oils with a very high viscosity index.

Performance Benefits :

Divyol Entro HVI TH (Plus) type Hydraulic Oils have special ashless additives essential for certain hydraulic equipment used for heavy- duty operations. Their oxidation inhibitor and anti-rust additives ensure excellent wear protection and therefore consistently giving efficiency and productivity. These blends comply with ASTM D943 test and offer long service life and cleanliness of the hydraulic system. Their deforming additive prevents the build up of foam. They have high shear stability and ensure a cleaner system thus preventing issues of filter blocking. They also enable easy flow at very low temperatures. These oils are suitable for a wide range of operating temperatures due to their very high viscosity index. They are also compatible with other lubricants and seals, and suitable for most hydraulic pumps.

Typical Physical Characteristics :

Sr. No.	Characteristics	Test Method	Entro HVI	
			TH-46 [Plus]	TH-68 [Plus]
1	Appearance	Visual	Bright & Clear	
2	Colour	ASTM D 1500	0.5	0.5
3	Kinematic viscosity @ 40°C, cSt	ASTM D 445	42 - 50	62 - 74
4	Viscosity index	ASTM D 2270	160	160
5	Flash point, COC, °C	ASTM D 92	220	230
6	Pour point, °C	ASTM D 97	Minus 39	Minus 33
7	Foaming characteristics, Tendency / Stability, ml, Max. Seq. I / Seq. II / Seq. III	ASTM D 892	Nil / Nil / Nil	Nil / Nil / Nil
8	Rusting Test	ASTM D 665B	Complies	Complies
9	Copper strip corrosion @ 100°C for 3 Hrs.	ASTM D 130	1a	1a
10	Emulsion Test @54°C, ml	ASTM D 1401	40-37-3(15)	40-37-3(15)
11	Tost Life, Hrs.	ASTM D 943	10000+	10000+
12	FZG Rating Stage Failure	ASTM D 5182	>12	>12