

DIVYOL ENTRO HYDRAULIC OILS – HVI 46 / 68 / 100

Applications:

Divyol Entro HVI type Hydraulic Oil grades 46, 68 and 100 are premium high viscosity index, long-life anti-wear hydraulic fluids specially formulated for use in heavy-duty hydraulic applications operating at high pressures and over a wide range of temperatures. These oils provide year-round reliability in mobile and stationary hydraulic systems in excavators, shovels, cranes, drills, crawlers, and boom trucks which require outdoor anti-wear oil. These fluids can also be used in piston, gear and vane hydraulic pumps in outdoor mobile equipment, sawmills, woodland equipment, snow removal equipment and portable compressors. Their efficacy extends to circulating systems, including those servicing plain and rolling element bearings, in pump crankcases and some electric motor bearings as well as gear sets requiring non-EP gear oils.

Standards:

Divyol Entro HVI type Hydraulic Oils are blends comprising premium quality base oils and additives that optimize performance. They meet performance levels as per Parker Hannifin (Denison) HF-0, HF-1, HF-2; Eaton-Vickers I-286-S, M-2950-S, (brochure 03-401-2010); DIN 51524 HVLP; GM LS-2; Five Cincinnati P-68, P-69, P-70; JCMAS HK; US Steel 127, 136; ISO: 11158; SAE MS1004; and Chinese Standard GM 11118.1.

Advantages:

Divyol Entro HVI type Hydraulic Oils enable excellent fluidity at low start-up temperatures and maintain optimum oil viscosity at high operating temperatures. They also possess excellent thermal, oxidative and hydrolytic stability, properties that protect against wear, rust and corrosion resulting in longer service life of pumps. They also cause minimal increase in air entrainment and have excellent wet and dry filterability, a quality that matches AFNOR NF E48-690, 691 performance specifications.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Entro HVI Hydraulic Oils		
			46	68	100
1	Appearance	Visual	Bright and clear	Bright and clear	Bright and clear
2	Colour, max.	ASTM D 1500	L 0.5	L 0.5	0.5
3	Kinematic viscosity at 40 °C, cSt, min.	ASTM D 445	42 – 50	62 – 74	90 – 110
4	Viscosity index, min.	ASTM D 2770	140	140	140
5	Flash point (COC) °C, min.	ASTM D 92	210	210	220
6	Pour point, °C, max.	ASTM D 97	-21	-21	-21
7	Emulsion test at 54°C, (mins, max.)	ASTM D 1401	40-37-3(20)	40-37-3(20)	–
8	Emulsion test at 82 °C (mins, max.)	ASTM D 1401	–	–	40-37-3(30)
9	Turbine oil stability test, hrs.	ASTM D 943	3000	3000	5000
10	FZG, fail load stage, min.	DIN 51354	11	11	11
11	Foam characteristics tendency / stability, ml, max.	ASTM D 892			
	Sequence I		Nil	Nil	Nil
	Sequence II		Nil	Nil	Nil
	Sequence III		Nil	Nil	Nil
12	Rusting test, 24 hrs. with sea water	ASTM D 665/B	Complies	Complies	Complies

The above properties are typical values and do not constitute specification of the product.

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