

DIVYOL ENTRO HVI-X HYDRAULIC OILS

Applications:

Divyol Entro HVI-X Type hydraulic oils of grades 46X, 68X and 100X are recommended for all heavy duty hydraulic applications (mobile and stationary) that need high level of wear protection with a wide range of operating temperatures. These blends meet the stringent requirements of various hydraulic systems, including the latest, using high pressure high output pumps. They are especially recommended for hydraulic systems of excavators, cranes and hydrostatic drives that operate in severe outdoor conditions.

Standards:

Divyol Entro HVI-X Type hydraulic oils are specially formulated blends. These blends comprise group II base oils, a polymer of high shear stability and an advanced additive system. This product conforms to performance standards as per DIN 51524 Part III HVLP Type; Eaton E-FDGN-TB002-E; Parker Denison HF-0, HF-1, HF2; Cincinnati Machine P-68, P-69, P70; ISO: 11158, HV Fluids; Bosch Rexroth RDE 90235; ASTM D 6158 (HV); and ISO: 11158, HV Fluids.

Advantages:

Divyol Entro HVI-X Type hydraulic oils are able to withstand great mechanical stress and heat because of their advanced additive system. They also have excellent oxidative and thermal stability, effective anti-wear protection of moving parts, and filterability. These oils cause less sludge formation, leading to extended periods between oil change intervals. These benefits add up to extended service life of hydraulic systems.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Entro HVI-X Type Hydraulic Oils		
			46X	68X	100X
1	Appearance	Visual	Clear and bright	Clear and bright	Clear and bright
2	Colour, max.	ASTM D 1500	L 0.5	L 0.5	0.5
3	Kinematic viscosity, cSt at 40 °C	ASTM D 445	42 – 50	62 – 74	90 – 110
4	Kinematic viscosity, cSt at 100 °C, min.	ASTM D 445	8.5	11.0	15.4
5	Viscosity index, min.	ASTM D 2270	160	160	160
6	Flash point (COC), °C, min.	ASTM D 92	210	230	235
7	Pour point, °C, max.	ASTM D 97	-36	-36	-24
8	Emulsion test at 54 °C (mins. max.)	ASTM D 1401	40-37-3(20)	40-37-3(20)	-
9	Emulsion test at 82 °C (mins. max.)	ASTM D 1401	-	-	40-37-3(30)
10	FZG, Rating stage failure	DIN 51354	11	11	11
11	Copper strip corrosion, at 100 °C 3hrs.	ASTM D 130	1a	1a	1a
12	Turbine oil stability test, hrs.	ASTM D 943	3000	3000	5000
11	Foaming test, foaming stability after 10 mins settling time, foam, ml	ASTM D 892			
	at 24°C, max.		Nil	Nil	Nil
	at 93°C, max.		Nil	Nil	Nil
	at 24°C after cool down from 93 °C, max.		Nil	Nil	Nil
12	Neutralisation number mg KOH/g	ASTM D664	1.0	1.0	1.0

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

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