

DIVYOL ENTRO HYDRAULIC OILS SC – 32 / 46 / 68

Applications:

Divyol Entro Hydraulic Oils SC – grades 32, 46 and 68 are super clean oil blends specially formulated for performance over a wide range of operating conditions including low load to severe high load conditions. These oils are recommended for hydraulic systems with servo valve or spool valve. They are also used to actuate various mechanisms under high pressures developed by positive displacement pumps such as gear, vane or piston type. The moving parts of these expensive pumps require the right type of hydraulic oil with adequate anti-wear properties. Without such a lubricant these parts gradually lose efficiency and wear out. These high performance oils are widely used in general manufacturing, power and metal equipment like presses, injection moulding, machine tools, etc. operating at high speeds, loads and temperatures. They are also recommended for the lubrication of rotors, bearings, gears in rotary compressors like screw and vane type.

Standards:

Divyol Entro Hydraulic Oils SC – grades 32, 46 and 68 are manufactured from highly refined base stock and select anti-wear additives for efficiency and durability. They meet the performance specifications as per DIN 51524 PART II; IS: 11656 -1993(Reaffirmed 2013); Denison Hydraulic (HF0, HF1, HF2); HM 11158; AFNOR NF-E 48-603; Cincinnati Milacron P -70; AIST 127; and Eaton Vickers 35VQ25 Pump Test.

Advantages:

Divyol Entro SC type hydraulic oils have high oxidation stability ensuring effective protection against rusting and wear, especially to moving metal parts. Sludge formation is also negligible, resulting in longer service between oil change intervals. These oils enable efficient performance even under severe operating conditions, viz. high speeds, loads and temperatures.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Entro SC Hydraulic Oils		
			32	46	68
1	Appearance	Visual	Bright and clear	Bright and clear	Bright and clear
2	Colour, max.	ASTM D 1500	0.5	0.5	0.5
3	Flash point COC, °C, min.	ASTM D 92	196	200	204
4	Kinematic viscosity at 40 °C, cSt, min.	ASTM D 445	30 – 34	42 – 50	62 – 74
5	Kinematic viscosity at 100 °C, cSt, min.	ASTM D 445	5.4	7.5	8.7
6	Viscosity index, min.	ASTM D 2270	110	110	110
7	Pour point, °C, max.	ASTM D 97	-20	-20	-16
8	Copper corrosion, at 100 °C, 3 hrs.	ASTM D 130	1a	1a	1a
9	Foaming characteristics / stability	ASTM D 892			
	Sequence I/II/III		Nil	Nil	Nil
10	Demulsibility (ml, mins)	ASTM D 1401	40-37-3(20)	40-37-3(20)	40-37-3(20)
11	Particle counter, NAS value	ISO:16232/NAS:1638	7	7	7
12	FZG, Fail load stage, min.	ASTM D 5182	11	11	11

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

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