

DIVYOL CIRCULATING OILS

Applications:

Divyol Circulating Oils are specially formulated for use in circulating systems, hydraulic systems, enclosed gearboxes, chain drives, compressors, vacuum pumps, mining machinery, machine tools, etc. They are also recommended for hydraulic systems that require oils with moderate anti-wear properties and mild to extreme pressure characteristics.

Standards:

Divyol Circulating Oils are a blend of solvent refined base oils, and select anti-oxidant, anti-rust and anti-foam additives. They meet the requirements of very high pressure systems as also of systems operating with high pump speeds. These oils match the requirements of ISO:VG 220 to 460 as well as IS:10522-1983 (Reaffirmed 1993); IS:3098 – 1983 (Reaffirmed 1993); and DIN – 51524 for Hydraulic Oils

H and H-L. Higher viscosity grades (Grades 220 to 460) are not covered in Indian Standards (IS) but are fortified with some amount of anti-wear properties to ensure optimum protection and conform to IPSS 1-09-022 and USS 127. The oils also pass Vickers Vane Pump Test.

Advantages:

Divyol Circulating Oils offer a host of benefits. The oil has high chemical stability to ensure long and trouble-free service life. Its resistance to foaming ensures prompt and efficient functioning. Its film strength and anti-wear properties protect pumps, valves, Cylinders, pistons, etc. from wear, especially between moving parts under heavy load. Its high viscosity index enables operating under wide range of temperature and other conditions and meets the requirements of the hydraulic pump and the designed system. Its excellent demulsibility allows entrained water to settle down. Being highly corrosion resistant, it protects metal parts from rusting and corrosion even in the presence of moisture.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Circulating Oils		
			220	320	460
1	Appearance	Visual	Bright and clear	Bright and clear	Bright and clear
2	Colour, max.	ASTM D 1500	3.54	4	4.5
3	Kinematic viscosity at 40 °C, cSt min.	ASTM D 445	220	320	460
4	Viscosity index, min.	ASTM D 2270	90	90	90
5	Flash point, COC, °C, min.	ASTM D 92	230	250	260
6	Pour point, °C, max.	ASTM D 97	-3	-3	-3
7	Copper strip corrosion at 100 °C for 3 hrs.	ASTM D 130	1	1	1

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

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