

DIVYOL HYDRAULIC OILS

Applications:

Divyol Hydraulic Oils are blends designed for use in circulating system, hydraulic system, enclosed gearboxes, chain drives, compressors, vacuum pumps, mining machinery, machine tools, etc. They are also recommended for hydraulic systems with moderate anti-wear property and requiring mild to extreme pressure characteristics. They also meet the requirements of very high pressure systems operating at high pump speeds.

Standards:

Divyol Hydraulic Oils are solvent refined base oils blended with select anti-oxidant, anti-rust and anti-foam additives. The grades of oil meet the performance requirements of ISO VG 32 to 150 and also conform to IS : 3098 – 1983 (Reaffirmed 1993) as also DIN – 51524 for Hydraulic Oils H and H-L.

Advantages:

Divyol Hydraulic Oils possess high viscosity index which enables its usage over wide operating temperature range and also meets the requirements of the hydraulic pump and the designed system. The blends' superior demulsibility helps to settle entrained water quickly. The oil protects lubricating parts from rusting even in the presence of moisture and prevents wear between moving parts under heavy load. Its resistance to foaming ensures prompt and efficient functioning and its high chemical stability ensures long and trouble-free service life. Having good film strength and antiwear properties, it minimizes wear of pumps, valves, cylinders, pistons, etc. Its excellent corrosion resistance ensures optimum protection against rusting and corrosion of metal parts, resulting in longer service life of the machines.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Hydraulic Oils				
			32	46	68	100	150
1	Appearance	Visual	Bright and clear	Bright and clear	Bright and clear	Bright and clear	Bright and clear
2	Colour, max.	ASTM D 1500	2.5	2.5	2.5	3.0	3.5
3	Kinematic viscosity at 40 °C, cSt, min.	ASTM D 445	32	46	68	100	150
4	Viscosity index, min.	ASTM D 2270	95	95	95	95	90
5	Flash point, COC, °C, min.	ASTM D 92	190	200	210	210	230
6	Pour point, °C, max.	ASTM D 97	-6	-6	-6	-6	-6
7	Copper strip corrosion at 100 °C for 3 hrs.	ASTM D 130	1	1	1	1	1
8	FZG gear failure load stage	DIN 51354	10	10	10	10	10

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

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