

DIVYOL HYDRAULIC OILS HVI 46 / HVI 68

Applications:

Divyol HVI 46 and HVI 68 are premium grade high viscosity index hydraulic oils recommended for hydraulic Excavators of Tata–Hitachi, L & T, Komatsu, etc. They are also suitable for off-road mobile construction and forestry equipment such as backhoes, bulldozers, crawlers, skid-steer loaders and motor graders. These oils can also be used for chain drives and compressor crankcase lubrication. Both the oil blends possess excellent shear stability and can withstand a wide range of temperatures.

Standards:

Divyol Hydraulic Oils HVI 46 and HVI 68 are blended with special additives that reduce wear, rust, oxidation and impart good hydrolytic stability and water separation properties. These blends conform to performance specifications as per DIN 51524-3:2017-06; Hannifin (Denison) HF-0, HF-1, HF-2; Eaton-Vickers I-286-S, M-2950-S, (brochure 03-401-2010); GM LS-2; Five Cincinnati P-68, P-69, P-70; JCMAS HK; US Steel 127, 136; ISO 11158 and SAE MS1004.

Advantages:

Divyol Hydraulic Oils HVI 46 and HVI 68 provide excellent protection against rust, wear and corrosion. Their high viscosity index, thermal and oxidative stability, anti-foam and air release properties ensure smooth operation and system efficiency across a wide range of temperatures. The blend is particularly effective in protecting system components at cold startup and high operating temperatures. Besides multi-metal compatibility, it is also compatible with seals used in hydraulic systems. It prevents internal hydraulic system corrosion and reduces adverse effects of moisture in systems, thus resulting in longer service life of the system.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol HVI Hdraulic Oils	
			HVI 46	HVI 68
1	Appearance	Visual	Bright and clear	Bright and clear
2	Colour, max.	ASTM D 1500	L 0.5	L 0.5
3	Kinematic viscosity at 40 °C, cSt	ASTM D 445	42 – 50	62 – 74
4	Viscosity index, min.	ASTM D 2770	135	140
5	Flash point (COC) °C, min.	ASTM D 92	190	210
6	Pour point, °C, max.	ASTM D 97	-18	-18
7	Emulsion test at 54°C, (mins, max.)	ASTM D 1401	40-37-3(20)	40-37-30(20)
8	Turbine oil stability test, hrs.	ASTM D 943	2000	2000
9	FZG, fail load stage, minimum	DIN 51354	10	10
10	Foam characteristics tendency / stability, ml, max.	ASTM D 892		
	Sequence I		Nil	Nil
	Sequence II		Nil	Nil
	Sequence III		Nil	Nil
11	Rusting test, 24 hrs. with sea water	ASTM D 665/B	Complies	Complies

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

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