

DIVYOL ANTI-WEAR CIRCULATING OILS

Applications:

Divyol Anti-wear (AW) Circulating Oils are used, with due pressure, to actuate various mechanisms of CNC and special purpose machines. Positive displacement pumps such as axial, piston, vane and gear types are used to develop the required pressure. The moving parts of these pumps are well protected from wear by Divyol AW Circulating Oils, thus ensuring sustained and optimum machine performance. These oils are suitable for high-pressure hydraulic systems, enclosed gear boxes, compressors, chain drives, machine tools and circulation oiling systems.

Standards:

Divyol AW Circulating Oils are a blend of solvent refined base oils and select anti-oxidant, anti-rust, anti-foam additives. These oils also have excellent demulsibility. Each of the Divyol AW grades conforms to ISO:VG 220 to 460 requirements and performance standards as per DIN 51524 Part I, IS:10522 -1993 and ISO:11158 (HM Fluid).

Advantages:

Divyol AW Circulating Oils offer maximum protection to pump components, valves, cylinders, pistons and other system internals from wear, rust and corrosion. The oils' excellent demulsifying quality allows entrained water to settle down. It also provides resistance to foaming to ensure prompt functioning. Longer oil change intervals leads to longer service life of the pumps. Being multipurpose, Divyol AW Circulating Oils also cause a reduction in inventory.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Anti-Wear Circulating Oils		
			220	320	460
1	Appearance	Visual	Bright and clear	Bright and clear	Bright and clear
2	Colour, max.	ASTM D1500	5	5	5
3	Kinematic viscosity at 40 °C, cSt min.	ASTM D445	227	320	455
4	Viscosity index, min.	ASTM D2270	95	95	90
5	Flash point, COC, °C, min.	ASTM D92	240	250	250
6	TAN, mg KOH/g, max.	IS:1448 P:2	1.5	1.5	1.5
7	Rust preventive characteristics	ASTM D665B	Complies	Complies	Complies
8	Pump wear in mg ms (Vickers 104 °C pump test)	ASTM D2882	50	50	50
9	Pour point, °C	ASTM D97	-6	-6	-6
10	Emulsion characteristics at 82 °C	ASTM D1401	40-37-3 (30)	40-37-3 (10)	40-37-3 (30)
11	Foaming characteristics ML stability	ASTM D892			
	Seq. I		Nil	Nil	Nil
	Seq. II		Nil	Nil	Nil
	Seq. III		Nil	Nil	Nil

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

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