

DIVYOL ENTRO AW HYDRAULIC OILS – 22 / 32 / 46 / 68 / 100 / 150

Applications:

Divyol Entro AW Hydraulic Oils of grades 22, 32, 46, 68, 100 and 150 are specially formulated blends for use on all heavy duty hydraulic applications (both mobile and stationery) that require a high level of wear protection. This product is recommended for all hydraulic pumps, including high-pressure, high-speed vane, gear, axial and radial piston pumps, except pumps containing silver plated component. Besides hydraulic equipment operating under extreme conditions, it is also used for automated machine tools, press, die casting machines, circulating systems and hydraulic control systems.

Standards:

Divyol Entro AW Hydraulic Oils conform to performance specifications of DIN 51524 Part II; Eaton Vickers I-286-S, M-2950-S; Denison HF-0, HF-1, HF2; Cincinnati Machine P-68, P-69, P70; and US STEEL 127.

Advantages:

Each grade in the Divyol Entro AW Hydraulic Oils range has excellent oxidation and thermal stability for effective anti-rust, anti-corrosion and anti wear performance which helps maximize service life of the pump and system components protecting them from the effects of environmental moisture. Its high shear stability minimizes viscosity loss and its filterability prevents filter blockage even in the presence of water. It also has good demulsification property which helps in faster separation of water and resists formation of emulsions. It is compatible rubber seals.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Entro AW Hydraulic Oils					
			22	32	46	68	100	150
1	Appearance		Clear and bright	Clear and bright	Clear and bright	Clear and bright	Clear and bright	Clear and bright
2	Colour, max.	ASTM D 1500	0.5	0.5	1.0	1.0	1.0	1.5
3	Kinematic viscosity, cSt at 40 °C	ASTM D 445	20 – 24	30 – 34	42 – 50	62 – 74	90 – 110	135 – 165
4	Kinematic viscosity, cSt at 100 °C, min.	ASTM D 445	4.4	5.6	7.1	9.0	11.3	15.0
5	Viscosity index, min.	ASTM D 2270	112	110	110	100	98	90
6	Flash point (COC), °C, min.	ASTM D 92	190	200	210	220	220	230
7	Pour point, °C, max.	ASTM D 97	-15	-15	-15	-12	-12	-9
8	Emulsion test at 54 °C (mins, max.)	ASTM D 1401	40-37-3(20)	40-37-3(20)	40-37-3(20)	40-37-3(20)	–	–
9	Emulsion test at 82 °C (mins, max.)	ASTM D 1401	–	–	–	–	40-37-3(30)	40-37-3(30)
10	FZG, Rating stage failure	DIN 51354	11	11	11	11	11	11
11	Copper strip corrosion, at 100 °C, 3 hrs.	ASTM D 130	1a	1a	1a	1a	1a	1a
12	Rust characteristics	ASTM D 665/B	Complies	Complies	Complies	Complies	Complies	Complies
13	Foaming test, foaming stability after 10 mins settling time, foam, ml	ASTM D892						
	at 24°C, max.		NIL	NIL	NIL	NIL	NIL	NIL
	at 93°C, max.		NIL	NIL	NIL	NIL	NIL	NIL
	at 24°C after cool down from 93°C, max.		NIL	NIL	NIL	NIL	NIL	NIL
14	Neutralization number, mg KOH/g	ASTM D664	1.0	1.0	1.0	1.0	1.0	1.0

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

Disclaimer: Gandhar makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of suitability of the product for the application contemplated by the users is solely their responsibility.