

Hydraulic Oils - AW

Description :

Divyol Anti wear Hydraulic oils are blended from solvent refined base oil with carefully selected anti wear additives. These oils are intended to work efficiently in a wide variety of working conditions including low as well as very high loads.

Performance Level : Meets

BIS 11656 -1986 (Reaffirmed 2013),
BIS 10522 -1993 (Reaffirmed 2014),
DIN 51524 Part I, Part II,
AFNOR NF E 48-603 (HM,HV)
SS 155434, SEB 181 222,
ISO 6743/4 (HM,HV),
ISO 11158 (HM,HV),
VICKERS V - 104C VANE PUMP TEST,
IPSS:1-09-022.

Application :

- Extensively used to actuate various mechanisms of CNC and special purpose machines, Positive displacement pumps such as axial, piston, vane and gear types.
- Suitable for enclosed gear boxes, reciprocating compressors, chain drives, machine tools, circulation oiling systems.
- Hydraulic oil range is available in ISO VG 22, 32, 46, 68, 100 and 150.

Performance Benefits :

- Minimized wear on pump components, including valves, cylinders, pistons.
- Rust protection to system internals.
- Ensures robust resistance to thermal failure, allowing for improved peak life and functionality even in elevated temperature conditions.

Typical Physical Characteristics :

Sr. No.	Characteristics	Test Method	AW 22	AW 32	AW 46	AW 57	AW 68	AW 100	AW 150
1	Appearance	Visual	Bright & Clear						
2	Colour	ASTM D 1500	2.0	2.5	2.5	2.5	2.5	3.0	3.0
3	Kinematic viscosity @ 40°C, cSt	ASTM D 445	22	32	46	57	68	100	150
4	Viscosity index	ASTM D 2270	98	98	98	98	98	95	95
5	Flash point, COC, °C	ASTM D 92	190	195	210	215	220	230	230
6	TAN, mg KOH/g	IS:1448 P:2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
7	Rusting Test	ASTM D 665B	Pass	Pass	Pass	Pass	Pass	Pass	Pass
8	Copper Strip Corrosion @ 100°C for 3 Hrs.	ASTM D 130	1	1	1	1	1	1	1
9	Pour point, °C	ASTM D 97	Minus 9	Minus 9	Minus 6	Minus 6	Minus 6	Minus 6	Minus 3
10	Emulsion characteristics @ 54 °C ml	ASTM D 1401	40-37-3 (20)	40-37-3 (20)	40-37-3 (20)	40-37-3 (20)	40-37-3 (20)	-	-
11	Emulsion characteristics @ 82 °C ml	ASTM D 1401	-	-	-	-	-	40-37-3 (30)	40-37-3 (30)