AZOLLA AF





Antiwear, ashless hydraulic oils.

APPLICATIONS

- Hydraulic systems operating under high pressure and/or temperature conditions.
- High-pressue vane, piston or gear pumps.
- Sensitive hydraulic circuits requiring absolute filterability of the fluid (very fine servo valve play): plastic moulding machines.
- Any hydraulic system where the risk of contamination of the environment and waters exists.
- Any application where an antiwear, high-performance oil is necessary: various movements, plain bearings and rolling bearings, reducers under low load, etc.
- Lubrication of circuits in which the presence of water is accidental: machine tools, farm and food products industries, paper mills, steel making, etc.

SPECIFICATIONS

International specifications

- ISO 6743/4 HM
- DIN 51524 P2 HLP
- US steel 136, 127
- SEB 181222
- SAE MS 1004
- Bosch Rexroth RE 90 220
- Eaton Vickers I-286-S (Industrial), M-2950-S (Mobile)
- Cincinnati Milacron P 68, P 69, P 70
- DENISON HF0, HF1, HF2 (approval of T6H20C pump).

ADVANTAGES

Manufacturers

- Excellent antiwear properties ensuring protection of machine parts.
- Exceptional oxidation and thermal stability: greater service oil life and lengthening of oil change intervals.
- Excellent filterability with or without presence of water.
- Remarkable resistance to hydrolysis and good demulsification properties.
- Good antirust and anticorrosion properties for optimal protection of circuit components.
- Reacts very well to air : rapid air release and low foaming tendency.
- AZOLLA AF does not contain heavy metals or zinc to avoid contributing to their accumulation in the
 environment.

TYPICAL CHARACTERISTICS	METHODS	UNITS	AZOLLA AF				
			22	32	46	68	100
Density at 15 °C	ASTM D 4052	-	0.865	0.873	0.878	0.883	0.888
Kinematic viscosity at 40 °C	ASTM D 445	mm²/s	22	32	46	68	102
Kinematic viscosity at 100 °C	ASTM D 445	mm²/s	4.4	5.4	6.8	8.7	11.4
Viscosity index	ASTM D 2270	-	104	100	100	97	98
Cleveland VO flash point	ASTM D 92	°C	215	227	238	247	263
Pour point	ASTM D 97	°C	- 27	- 27	- 27	- 21	- 21
FZG test (A/8, 3/90), damage level	DIN 51354-2	-		12	12	> 12	> 12
Foaming Sequence1	DIN 51566	ml/ml	40/0	40/0	0/0	0/0	0/0
AFNOR filterability (0.8 micron), IF	NFE 48-690	-	1.03	1.07	1.12	1.10	1.10

Above characteristics are mean values given as an information.

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