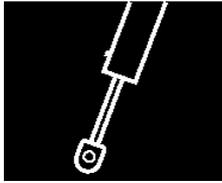


AZOLLA AF



Hydraulic Oils

New generation anti-wear, ashless & Super clean Hydraulic Oils

PRODUCT PROFILE



New generation, **TOTAL AZOLLA AF** oils are antiwear hydraulic fluids. They are more environmentally-friendly (no heavy metals, zinc-free) and able to achieve exceptional performance in all areas. Formulated from carefully selected base oils and the latest aditivition technology originating from our research centre, **TOTAL AZOLLA AF** guarantee maximum efficiency as regards hydraulic equipments,an unequalled lifetime service oil manufactures. New Generation **TOTAL AZOLLA AF** can meet the several demands imposed by today's hydraulic circuits.

- ISO 6743/4 HM
- DIN 51524 P2 HLP
- AFNOR NFE 48603 HM
- US Steel 136,127
- SEB 18122
- SAE MS 1004
- BOSCH REXROTH RE 90 220
- Eaton Vickers I-286-S (Industrial), M-2950-S (Mobile)
- Cincinnati Lamb P 68, P 69, P 70
- DENISON HF0,HF1,HF2 (approval of T6H20C pump)

APPLICATIONS

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

TOTAL LUBRICANTS INDIA LTD.

Head Office : 3rd Floor, The Leela Galleria, Andheri-Kurla Road, Andheri (E), Mumbai - 400 059. Tel. : 022 66407700 Fax : 022 66407720
Regional Offices : Chennai Tel. 044 28412790/28412823, Mumbai Tel. 022 25705775/6/7, Noida Tel. 0120 2516794/5/6

Date 01/09

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All reasonable care has been taken to ensure that the information provided here is accurate as of date of printing. However due to continual product development, the information contained herein is subjected to change without notification. MSDS can be obtained from our local representative or can be down loaded from

www.quick-fds.com

ADVANTAGES

- Excellent antiwear properties ensuring protection of machine parts.
- Exceptional oxidation and ageing stability: greater service oil life and lengthening of oil change intervals.
- Environmentally-friendly formulation.
- Prevents formation of deposits in the circuit thanks to remarkable thermal stability: cleaner circuits, less clogging of the filters, reduced maintenance costs.
- Excellent filterability with or with out presence of the water.
- Remarkable resistance to anticorrosion properties for optimal protection of circuit components.
- Reacts very well to air: rapid air release and low foaming tendency.

Typical Characteristics	Reference Method	AZOLLA AF	
		46	68
Density at 29.5°C, kg/l	ASTM D 1298	0.878	0.883
Kinematic viscosity at 100°C, cSt	ASTM D 445	6.80	8.70
Viscosity at 40°C, cSt	ASTM D 445	46.10	69.0
Viscosity Index	ASTM D 2270	100	97
Pour point, °C	ASTM D 97	-27	-21
Flash Point	ASTM D 92	238	248
FZG test,(A/8, 3/90) Damage level	DIN 51354	12	12
Foaming Sequence	DIN 51566	0/0	0/0
AFNOR Filterability (0.8 micron), IF	NFE 48-690	1.12	1.1

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