



Ashless anti-wear hydraulic oil

APPLICATIONS

Hydraulic systems

- **AZOLLA AF** oils are premium anti-wear hydraulic fluids and lubricants. They are formulated from high quality paraffinic base stocks and a fully formulated, thermally stable, non-zinc additive package. They meet or exceed the requirements of the leading manufacturers of hydraulic equipment and are available in a wide range of viscosities from ISO 22 to ISO 100.
- **AZOLLA AF** oils have been specifically designed to be used in all types of hydraulic pumps and motors that require the use of anti-wear hydraulic oils. The appropriate viscosity grade will provide excellent service in plain and anti-friction bearings and moderate service in gear reducers.

SPECIFICATIONS

International standards

- DIN 51524 Part 2
- ISO 6743/4 CATEGORY L-HM

OEM standards

- AFNOR E48603 CATEGORY HM; AIST 126, 127
- Bosch Rexroth RE 90220 ; MAG (Cin. Mach) P68, P69, P70
- PARKER (formerly DENISON) HF-0, HF-1, HF-2;
- SEB 18122; VICKERS I-286-S, M-2950-S
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ADVANTAGES

Long equipment life and high operating reliability

- Ashless, zinc-free
- Excellent anti-wear properties.
- Resistance to hydrolysis and oxidation.
- Inert towards metals (non-staining and no corrosive wear).
- Good compatibility with elastomers and seals.
- Excellent water-oil separating properties.
- Excellent anti-foaming, anti-corrosion and anti-oxidation properties

TYPICAL CHARACTERISTICS--AZOLLA AF					
ISO grade	22	32	46	68	100
Viscosity at 40°C, cSt ASTM D 445	22.0	32.0	46.0	68.0	100.0
Viscosity index ASTM D 2270	> 95	> 95	> 95	> 95	> 95
Density @ 60°F, lbs./gal. ASTM D 1298	7.24	7.25	7.28	7.32	7.36
Specific gravity @ 60/60°F ASTM D 1298	0.867	0.868	0.872	0.877	0.882
Flash point, COC, °F ASTM D 92	405	405	410	450	480
Copper strip corrosion rating ASTM D 130	1A	1A	1A	1A	1A

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AZOLLA

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This lubricant must be applied as recommended and used for the application for which it was designed. TOTAL Specialties USA, Inc. will have no responsibility for any injury to persons or property resulting from misuse or misapplication of the lubricant. A safety data sheet conforming to the OSHA Hazard Communication Standard 29 CFR Section 1910.1200 can be downloaded at www.totalspecialties.com. Copyright 2016 All rights reserved.