

# AZOLLA HP



LUBRICATION



**TOTAL**

## Premium Anti-Wear Hydraulic Oil.

### APPLICATIONS

High pressure hydraulic systems.

- **AZOLLA HP** oils are premium anti-wear hydraulic fluids and lubricants. They are formulated from high quality, high VI, paraffinic base stocks and the finest performance additives for thermal stability and long life. They meet or exceed the requirements of the leading manufacturers of hydraulic equipment and are available in a three viscosity grades: ISO 32, ISO 46, and ISO 68.
- **AZOLLA HP** 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 specifications.

- DENISON HF-0, HF-1, HF-2
- VICKERS I-286-S, M-2950-S
- ISO 6743/4 CATEGORY HM
- CINCINNATI MILACRON P68, P69, P70
- DIN 51524 PART 2 CATEGORY HLP
- US STEEL 127
- GENERAL MOTORS LH-04-1, LH-06-1, LH-15-1
- SAUER DANFOSS
- REXROTH
- BOSCH, VARIABLE VANE PUMPS

### ADVANTAGES

Long equipment life and high operating reliability.

- Superior anti-wear properties.
- High protection against wear insuring maximum equipment life.
- Resistance to hydrolysis and oxidation.
- Inert towards metals (non-staining and no corrosive wear).
- Good compatibility with elastomers and seals.
- Excellent water/oil demulsification properties.
- Excellent anti-foaming, anti-corrosion, and anti-oxidation properties.

TYPICAL CHARACTERISTICS	METHODS	AZOLLA HP		
		32	46	68
Viscosity at 40°C, cSt	ASTM D 445	32.0	46.0	68.0
Viscosity Index	ASTM D 2270	> 95	> 95	> 95
Density @ 60°F, lbs./gal.	ASTM D 1298	7.24	7.28	7.30
Specific Gravity @ 60/60°F	ASTM D 1298	0.867	0.872	0.875
Flash Point, COC, °F	ASTM D 92	405	415	450
Copper Strip Corrosion	ASTM D 130	1A	1A	1A
Pour Point, °F	ASTM D 97	0	5	5
Oxidation Characteristic, hrs.	ASTM D 943	>3000	>3000	>4000
Rust Prevention, Procedures A and B	ASTM D 665	Pass	Pass	Pass

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