

AZOLLA ZS PLUS



LUBRICATION



TOTAL

High Viscosity Index Anti-Wear Hydraulic Oil.

APPLICATIONS

Hydraulic systems.

- **AZOLLA ZS PLUS** oils are premium anti-wear hydraulic fluids and lubricants made from Group II base stock. They meet or exceed the requirements of the leading manufacturers of hydraulic equipment and are available in a wide range of viscosities from ISO 32 to ISO 68.
- **AZOLLA ZS PLUS** 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 L-HM
- CINCINNATI MACHINE P68, P69, P70
- DIN 51524 PART 2 CATEGORY HLP
- AFNOR E48603 CATEGORY HM

ADVANTAGES

Long equipment life and high operating reliability.

- 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 separation properties.
- Excellent anti-foaming, anti-corrosion, and anti-oxidation properties.

TYPICAL CHARACTERISTICS	METHODS	AZOLLA ZS PLUS		
ISO Viscosity Grade		32	46	68
Viscosity at 40°C, cSt	ASTM D 445	32.0	46.0	68.0
Viscosity at 100°C, cSt	ASTM D 445	5.4	6.7	8.7
Viscosity Index	ASTM D 2270	100+	100+	100+
Density @ 60°F, lbs./gal.	ASTM D 1298	7.19	7.28	7.26
Specific Gravity @ 60/60°F	ASTM D 1298	0.862	0.872	0.870
Pour Point, °F(°C)	ASTM D 97	-31(-35)	-17(-27)	-6(-35)
Flash Point, COC, °F(°C)	ASTM D 92	430(221)	455(235)	477(247)
Copper Strip Corrosion	ASTM D 130	1A	1A	1A
4 Ball Wear Test, scar diam., mm (75°C, 40kg, 1 hr @ 1200rpm)	ASTM D 2266	0.45	0.45	0.45
Oxidation Test	ASTM D 943	6000+	5500+	5000+

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