

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 oil. They meet or exceed the requirements of the leading manufacturers of hydraulic equipment and are available in 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

- AFNOR E48603 CATEGORY HM
- CINCINNATI MACHINE P68, P69, P70
- DENISON HF-0, HF-1, HF-2
- DIN 51524 PART 2 CATEGORY HLP
- ISO 6743/4 CATEGORY L-HM
- VICKERS I-286-S, M-2950-S

ADVANTAGES

Long equipment life and high operating reliability.

- High resistance to oxidation and thermal degradation.
- Excellent anti-wear properties.
- 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.

CHARACTERISTICS

TYPICAL CHARACTERISTICS	METHODS	ISO 32	ISO 46	ISO 68
Color	ASTM D 1500	L0.5	L1.0	L1.0
Viscosity at 40 °C, cSt	ASTM D 445	32.0	45.0	64.6
Viscosity at 100 °C, cSt	ASTM D 445	5.4	6.7	8.7
Viscosity Index	ASTM D 2270	100+	100+	100+
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, scar diameter, mm (75°C, 40kg, 1 hr @ 1200rpm)	ASTM D 2266	0.45	0.45	0.45
Oxidation Test	ASTM D 943	6000+	5500+	5000+

TOTAL Lubricants USA Southwest

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