

KLC[®] Antiwear Hydraulic Oil

Azolla ZS Hydraulic Oil

KLC Antiwear Hydraulic Oil (Azolla ZS) is a premium grade fluid formulated to meet the demands of modern high pressure hydraulic systems. It contains the highest quality rust, oxidation, and antiwear additives available today and provides good water demulsibility, hydrolytic stability, and filterability. All grades are non-detergent. When the proper viscosity is selected it gives excellent service in machine tools, vacuum pumps, bearings and moderately loaded gear drives.

Features

- Premium high pressure hydraulic oil for mobile and stationary systems
- Rust, oxidation, antiwear and antifoam additives

Performance

- Thermally stable and filterable
- Meets or exceeds requirements for major hydraulic pump manufacturers

KLC Anti-wear Hydraulic Oil (Azolla ZS) Typical Properties

	32	46	68	100	150	220
ISO Viscosity Grade	32	46	68	100	150	220
SAE Grade	10	20	20	30	40	50
Viscosity, cSt, 40°C	32	46	68	100	150	220
Viscosity, cSt, 100°C	5.31	6.24	8.79	11.16	14.21	19.73
Viscosity Index	100	100	100	98	96	95
Color-ASTM D-1500	2	2	3.0	4.0	5.0	6
Flash Point, °F	405	415	450	480	500	530
Pour Point, °F	0	5	5	5	5	10
Rust Test ASTM D-665 (Proc. A)	Pass	Pass	Pass	Pass	Pass	Pass
Oxidation Test ASTM D-943 hours	2000	2000	2000	2000	2000	2000
4 Ball Wear Test ASTM D-2266 (75°C, 40 kg, 1 hr, 1200 RPM)	.45mm	.45mm	.45mm	.45mm	.45mm	.45mm

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TOTAL Lubricants USA, Inc.

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