

# Azolla ZS

## Very high-performance anti-wear hydraulic oils

### APPLICATIONS

Hydraulic circuits.

Designed for use in all kinds of hydraulic systems running under the most difficult conditions, such as in machine tools, mold injection machines, presses and other industrial or mobile equipment.

Also used in many other applications, where a universal high-performance anti-wear lubricant is the first choice: low charged gears, sliding and roller bearings, air compressors, servomotors and control systems equipped with fine filtration systems.

### SPECIFICATIONS

ISO 6743/4 HM

ISO 11158 HM

DIN 51524 P2 HLP

### ADVANTAGES

High protection against wear insuring maximum equipment lifetime.

Superior thermal stability avoiding formation of sludge even at high temperature.

Very good oxidation stability ensuring a long service life of the fluid.

Remarkable filterability even in the presence of water.

Excellent hydrolytic stability avoiding filter blocking.

Excellent protection against rust and corrosion.

Good anti-foam and air release properties.

Good demulsibility ensuring rapid water separation.

Reduced maintenance and operating costs.

### APPROVALS

DENISON HF0, HF1, HF2 (T6H20C)

EATON EFDGN-TB002-E

Meets the requirements of:

CINCINNATI MILACRON P68, P69, P70

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at [ms-sds.totalenergies.com](http://ms-sds.totalenergies.com)

## TYPICAL CHARACTERISTICS

Properties	Units	Standards	Azolla ZS						
			10	22	32	46	68	100	150
Appearance	-	Visual	Clear liquid						
Density at 15 °C	kg/m <sup>3</sup>	ISO 3675	830	846	854	858	862	866	876
Viscosity at 40°C	mm <sup>2</sup> /s	ISO 3104	10	22	32	46	68	100	150
Viscosity at 100°C	mm <sup>2</sup> /s	ISO 3104	2.7	4.5	5.7	7.2	9.3	11.9	15.3
Viscosity index	-	ISO 2909	116	115	115	113	110	108	103
Open cup Flash Point	°C	ISO 2592	165	221	227	248	260	264	268
Pour point	°C	ISO 3016	-50	-45	-42	-36	-36	-33	-30

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