

# Equivis ZS

## High viscosity index anti-wear hydraulic oils

### APPLICATIONS

Hydraulic circuits.

Equivis ZS range is recommended for all kinds of hydraulic systems operating under high pressure (limit as indicated by the pump manufacturer) and high temperature.

Lubricants especially suitable for hydraulic systems working under extreme temperature variations and equipment operating outside. Easy start-up at low temperature and regular operating in all seasons: civil engineering, agriculture, marine, transport and other industrial applications.

### ADVANTAGES

High Viscosity Index.

Good shear stability.

Superior thermal stability avoiding the formation of sludge even at high temperatures.

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

High protection against wear ensuring maximum equipment life.

Excellent hydrolytic stability avoiding filter blocking.

Excellent protection against rust and corrosion.

Good antifoam and air release properties.

Very low pour point.

Good demulsibility ensuring rapid water separation.

### SPECIFICATIONS

ISO 6743/4 HV

ISO 11158 HV

DIN 51524 P3 HVLP

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	Equivis ZS					
			15	22	32	46	68	100
Appearance	-	Visual	Clear liquid					
Density at 15 °C	kg/m <sup>3</sup>	ISO 3675	858	861	870	874	882	885
Viscosity at 40°C	mm <sup>2</sup> /s	ISO 3104	15	22	32	46	68	100
Viscosity at 100°C	mm <sup>2</sup> /s	ISO 3104	3.9	4.9	6.4	8.2	11.0	14.5
Viscosity index	-	ISO 2909	164	160	155	155	154	150
Open cup Flash Point	°C	ISO 2592	174	202	208	215	220	230
Pour point	°C	ISO 3016	-42	-42	-39	-39	-36	-36
FZG A/8,3/90	Stage	DIN 51354	-	-	10	11	11	-
Shear resistance 250 cycles – Viscosity loss at 40°C	%	DIN 51382	-	-	3	5	8	-

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