

Azolla DZF

Detergent anti-wear hydraulic oil

APPLICATIONS

Hydraulic circuits.

Any hydraulic circuit where significant amounts of water are unavoidably introduced and when it is impossible to drain off the water (for instance on circuits that work around the clock).

Any hydraulic circuit working under loaded conditions: lubrication of stamping presses for example.

Any hydraulic circuit subjected to high level of pollution.

ADVANTAGES

Detergent characteristics allowing the fluid to absorb large quantities of water while preserving its properties.

Detergent/Dispersant characteristics keeping the hydraulic system clean.

High thermal stability giving the fluid good resistance at high operating temperatures.

Excellent antiwear capacity ensuring an extended lifetime of product.

Excellent level of resistance to foaming (silicon free defoamer) together with rapid air release.

Specially formulated to provide good filterability even in presence of high-water content.

Protection against rust and corrosion.

SPECIFICATIONS

- ISO 6743-4 HM
- ISO 11158 HM
- DIN 51524-2 HLP-D

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

TYPICAL CHARACTERISTICS

Properties	Units	Standards	Azolla DZF					
			10	22	32	46	68	100
Density at 15°C	kg/m ³	ISO 3675	852	866	875	880	882	888
Viscosity at 40°C	mm ² /s	ISO 3104	10	22	32	46	68	100
Viscosity at 100°C	mm ² /s	ISO 3104	2.6	4.4	5.5	6.9	8.6	11.3
Viscosity index	-	ISO 2909	101	103	102	106	100	98
Open cup Flash point	°C	ISO 2592	164	202	210	215	230	240
Pour point	°C	ISO 3016	-39	-36	-33	-33	-30	-24
FZG A/8, 3/90	Stage	DIN 51354-2	-	-	12	12	12	-
Brügger EP test	N/mm ²	-	-	-	-	58	-	-

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