

Application

TECHNOL LAPIS ZF SERIES In any hydraulic circuits where a large amount of water enters unavoidably and water discharge is possible: in hydraulic circuits working under load (lubrication of the stamping press); used in hydraulic circuits subject to high levels of contamination.

(Müller Weingarten approval)

Properties

- Detergent property allows the oil to absorb large amounts of water and yet retain its properties.
- Washer/Disintegrator features keep hydraulic system clean.
- High thermal stability provides strong oil resistance at high operating temperatures.
- Excellent anti-wear property extends product life.
- Excellent foaming resistance with rapid air release (silicone-free defoamer).
- Specially designed corrosion and wear protection for strong filtration capacity even in high water content.

Approvals

ISO 6743-4 HM
DIN 51 524 p 2, HLP-D

MAN N 698 H-LPD
MULLER WEINGARTEN

Specifications

Specifications	Unit	Test method	Lapis ZF Series					
			10	22	32	46	68	100
Density at 15°C	kg/m ³	ISO 3675	852	866	875	880	882	888
Kinematic Viscosity at 40°C	mm ² /s	ISO 3104	10	22	32	46	68	100
Kinematic 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	100	100	98
Pour Point	°C	ISO 3016	-39	-36	-33	-33	-30	-24
Flash Point	°C	ISO 2592	164	202	210	215	230	240
Brüger EP test	N/m ²	-	-	-	-	58	-	-
FZG Test A/8, 3/90	-	DIN 51534	-	-	12	12	12	-

*The features mentioned above are average values obtained with some variability in production and do not constitute a specification