

Q8 Holst EP 46

Advanced zinc free hydraulic oil meeting Brugger test

Description

Q8 Holst EP 46 has high wear protection characteristics. Its outstanding filterability and demulsibility makes it reliable for sensitive hydraulic servo. The oil has an excellent thermal and oxidation stability. Q8 Holst EP 46 exceeds the Brugger test (33 N/mm²) requirement for hydraulic oils.

Applications

Q8 Holst EP 46 is ideal for general hydraulic applications and hydraulic press systems build by Schuler and Müller Weingarten. It is also used in other industrial applications such as low charged gears, pumps, compressors and bearings. The oil is perfect for sensitive hydraulic servo systems.

Benefits

- Minimizes downtime which leads to a higher maintenance efficiency
- Highly appropriate for applications under heavy conditions
- Outstanding performance against wear
- Zinc-free additives

Specifications & Approvals

Arburg	HLP VG 46 (ZAF)	DIN	51524-2 HLP
Bosch Rexroth	RE 90220 notes	ISO	11158 HM

Properties

	Method	Unit	Typical
ISO Viscosity Grade	-	-	46
Density, 15 °C	D 4052	g/ml	0,878
Colour	D 1500	-	L 1.0
Kinematic Viscosity, 40 °C	D 445	mm ² /s	46
Kinematic Viscosity, 100 °C	D 445	mm ² /s	6.77
Viscosity Index	D 2270	-	97
Total Acid Number	D 664	mg KOH/g	0.17 after 1000h
Total Acid Number	D 974	mg KOH/g	<0.05
Pour Point	D 97	°C	-27
Flash Point, COC	D 92	°C	216
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0 (5 min)
Foam, 5 min blowing, seq. 1-2-3	D 892	ml	0/30/0
Foam, 10 min settling, seq. 1-2-3	D 892	ml	0/0/0
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Copper Strip, 3 h, 100 °C	D 130	-	1a
FZG Test, A/8.3/90	DIN 51354	load stage	12

The figures above are not a specification. They are typical figures obtained within production tolerances.