

Q8 Hartmann 46

Zinc-based hydraulic oil with outstanding stick-slip performance

Description

Q8 Hartmann 46 is a zinc-based oil that has been developed to achieve an outstanding stick-slip performance. The oil guarantees limited friction and a smooth hydraulic operation. Q8 Hartmann 46 oil has an excellent oxidation stability which leads to a longer service life of the lubricant. It is fit for use in severe working conditions.

Applications

Q8 Hartmann 46 is applied in industrial equipment in rough conditions where limited friction is needed such as big hydraulic cylinders or actuators.

Benefits

Improves the durability of the equipment thanks to its characteristics

Features

Prevents sticking

Smooth operational properties

Outstanding reduction of air entrainment

Highly appropriate for applications under heavy conditions

Specifications & Approvals

**Bosch Rexroth
DIN**

RE 90220 notes
51524-2 HLP

**ISO
Swedish Standard**

11158 HM
SS 155434 AM

Properties

	Method	Unit	Typical
ISO Viscosity Grade	-	-	46
Density, 15 °C	D 4052	g/ml	0,877
Colour	D 1500	-	1.0
Kinematic Viscosity, 40 °C	D 445	mm ² /s	47
Kinematic Viscosity, 100 °C	D 445	mm ² /s	6.94
Viscosity Index	D 2270	-	103
Total Acid Number	D 974	mg KOH/g	0.6
Pour Point	D 97	°C	-36
Flash Point, COC	D 92	°C	223
Air Release, 50 °C	D 3427	min	3
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0 (15min)
Foam, 5 min blowing, seq. 1-2-3	D 892	ml	0/10/10
Foam, 10 min settling, seq. 1-2-3	D 892	ml	0/0/0
Oxidation Characteristics (TOST)	D 943	hrs	
Total Acid Number	D 664	mg KOH/g	0.2 after 1000h
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Copper Strip, 3 h, 100 °C	D 130	-	1b
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.