

Q8 Holbein Eco 46

Eco-friendly synthetic hydraulic fluid with high viscosity index

Description

Q8 Holbein ECO 46 is an exceptional eco-friendly synthetic lubricant with a high viscosity index. Thanks to its characteristics, it can be used in delicate areas and a wide range of temperatures. This lubricant is readily biodegradable >70 in 28 days. Q8 Holbein ECO is compatible with mineral and vegetable based lubricants.

Applications

Q8 Holbein Eco 46 is perfect for rough hydraulic systems in environmentally delicate areas such as agriculture, forestry, water works and marine.

Benefits

Eco-friendly and limited impact on the environment

Minimizes downtime which leads to a higher maintenance efficiency

Features

Readily biodegradable

Free of hazardous components

Zinc excluded technology

Exceptionally high viscosity index

Highly suitable for use in all seasons

Outstanding flow characteristics

Environment, Health and Safety

Hazard class for water (WGK) : nwg

Specifications & Approvals

Bosch Rexroth	RE 90221 notes	ISO	15380 HEES
DIN	51524-3 HVLP	ISO	6743-4 HV

Properties

	Method	Unit	Typical
ISO Viscosity Grade	-	-	46
Density, 15 °C	D 4052	g/ml	0,9204
Colour	D 1500	-	L 1.0
Kinematic Viscosity, -20 °C	D 445	mm ² /s	1915
Kinematic Viscosity, 0 °C	D 445	mm ² /s	397
Kinematic Viscosity, 40 °C	D 445	mm ² /s	47.2
Kinematic Viscosity, 100 °C	D 445	mm ² /s	9.36
Viscosity Index	D 2270	-	186
Total Acid Number	D 974	mg KOH/g	0.35
Pour Point	D 97	°C	<-50
Flash Point, COC	D 92	°C	256
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0 (15)
Foam, 5 min blowing, seq. 1-2-3	D 892	ml	20/0/10
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	-	1
Biodegradability, 28 days	OECD 301 B	%	>70
FZG Test, A/8.3/90	DIN 51354	load stage	pass 10

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

Remarks

The energy efficiency is only valid when compared to Q8 standard hydraulic lubricants. The used technology has been tested under controlled circumstances. Improvements of the energy efficiency may vary based on applications and operating conditions.