

Q8 Holbein Bio Plus 46

Synthetic ester-based hydraulic fluid with high biodegradability.

Description

Q8 Holbein Bio Plus 46 is an outstanding synthetic hydraulic fluid based on unsaturated esters for year-round use in mobile and stationary hydraulic systems. Adapted for use in sensitive areas where high biodegradability is a requirement. Q8 Holbein Bio Plus 46 easily outperforms the ISO HEES specifications, meets the Swedish Standard environmental requirements SS 155434 and is listed on the Swedish RISE list.

Applications

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

Benefits

- Readily biodegradable
- Free of harmful components
- Limited impact on the environment
- Does not contain zinc

Specifications & Approvals

Bosch Rexroth

RE 90221 notes

Swedish Standard

SS 155434 BBV 46
Environmentally acceptable

ISO

15380 HEES (2016)

Properties

	Method	Unit	Typical
ISO Viscosity Grade	-	-	46
Colour	D 1500	-	1.5
Density, 15 °C	D 4052	g/ml	906
Kin. Viscosity Base Oil at 40 °C	D 445	mm ² /s	48
Kin. Viscosity Base Oil at 100 °C	D 445	mm ² /s	9.5
Viscosity Index	D 2270	-	185
Flash Point, COC	D 92	°C	246
Pour Point	D 97	°C	-54
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40/40/0 (20)
Foam, 10 min settling, seq. 1-2-3	D 892	ml	5/5/5
Foam, 5 min blowing, 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	%	77
FZG Test, A/8.3/90	DIN 51354	load stage	11

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