

## 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
- Eco-friendly and limited impact on the environment
- Free of harmful components
- Does not contain zinc

### Specifications & Approvals

<b>Bosch Rexroth</b>	RE 90221 notes	<b>Swedish Standard</b>	SS 155434 BBV 46 Environmentally acceptable
<b>ISO</b>	15380 HEES		

### Properties

	Method	Unit	Typical
ISO Viscosity Grade	-	-	46
Colour	D 1500	-	1.5
Kin. Viscosity Base Oil at 40 °C	D 445	mm <sup>2</sup> /s	48
Kin. Viscosity Base Oil at 100 °C	D 445	mm <sup>2</sup> /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.