

## 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 46 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
- Free of hazardous components
- Readily biodegradable
- Zinc excluded technology
- Minimizes downtime which leads to a higher maintenance efficiency
- Exceptionally high viscosity index
- Outstanding flow characteristics
- Highly suitable for use in all seasons

### Specifications & Approvals

<b>Bosch Rexroth</b>	RE 90221 notes	<b>ISO</b>	11158 HV
<b>DIN</b>	51524-3 HVLP	<b>ISO</b>	15380 HEES

### 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 <sup>2</sup> /s	1915
Kinematic Viscosity, 0 °C	D 445	mm <sup>2</sup> /s	397
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	47.2
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /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.