

Q8 Holbein Bio Plus 22

Synthetic ester-based hydraulic fluid with high biodegradability.

Description

Q8 Holbein Bio Plus 22 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 22 easily outperforms the ISO HEES specifications, meets the Swedish Standard environmental requirements SS 155434 and is listed on the Swedish SP-list.

Applications

Q8 Holbein Bio Plus 22 is perfect for rough hydraulic systems in environmentally sensitive areas such as agriculture, forestry, water works and marine.

Benefits

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

Specifications & Approvals

Bosch Rexroth	RE 90221 notes	Swedish Standard	SS 155434 BBV 22 Environmentally acceptable
ISO	15380 HEES		

Properties

	Method	Unit	Typical
ISO Viscosity Grade	-	-	22
Density, 15 °C	D 4052	g/ml	0.923
Colour	D 1500	-	1.5
Kin. Viscosity Base Oil at 40 °C	D 445	mm ² /s	23
Kin. Viscosity Base Oil at 100 °C	D 445	mm ² /s	5.27
Viscosity Index	D 2270	-	172
Pour Point	D 97	°C	< -54
Flash Point, COC	D 92	°C	225
Air Release, 50 °C	D 3427	min	3
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0 (10)
Foam, 5 min blowing, seq. 1-2-3	D 892	ml	5/5/5
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	%	94.8

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