Q8 Holbein HP SE Bio 46

Description
High performance synthetic ester based biodegradable hydraulic fluid.

Application
- Hydraulic systems, for which biodegradable fluids are recommended, running at temperatures above 95 degrees Celcius.

Specifications
- ISO 11158 Category HV
- DIN 51524, Part 3 Category HVLP
- ISO 15380
- SS 155434 (Swedish Standard), category AV Environmentally acceptable

Benefits
- Mineral oil free special additives
- Wide application temperature range due to very low pour point and high viscosity index
- Stable viscosity at low temperatures
- High load carrying capacity
- Compatible with mineral and rapeseed oils
- Extended drain intervals due to high oxidation stability

Properties	Method	Unit	Typical
ISO Viscosity Grade		-	46
Density, 15 °C	D 4052	kg/m³	914
Kinematic Viscosity, 0 °C	D 445	mm²/s	460
Kinematic Viscosity, 40 °C	D 445	mm²/s	48.8
Kinematic Viscosity, 100 °C	D 445	mm²/s	9.85
Viscosity Index	D 2270	-	185
Flash Point, COC	D 92	°C	246
Pour Point	D 97	°C	< -54
Rust preventive test, Proc. B	D 665	-	Pass
Air Release, 50 °C	DIN 51381	min	2
Copper Strip, 3 h, 100 °C	D 130	-	1a
Total Acid Number	D 974	mg KOH/g	0.71
FZG Test, A/8.3/90	DIN 51354	load stage	12
Baader Oxidation Test, 110 °C	DIN 51554-T3	-	
72 h, viscosity increase		%	0.6
Biodegradability, 28 days	OECD 301 B	%	>70

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