Q8 Holbein NWG 46

Application

- Hydraulic systems used in environmental sensitive area's for which biodegradable fluids are recommended who do not endanger aquatic life (NWG).

Specifications

- ISO 11158 category HV (except oxidation stability D 943)
- DIN 51524, Part 3, category HVLP (except oxidation stability D 943)
- Draft DIN specification for HEES type fluids
- ISO 15380, HEES type
- SS 155434 (Swedish Standard), category BV Environmentally acceptable
- Nicht Wasser Gefährdend (Water hazard class: Not dangerous to aquatic species)
- Bosch Rexroth (HEES type)

Benefits

- Mineral oil free special additives
- Wide application temperature range due to low pour point and high viscosity index
- Compatible with mineral and rapeseed oils
- Extended drain intervals due to high oxidation stability

Properties	Method	Unit	Typical
ISO Viscosity Grade	-	-	46
Absolute Density, 15 °C	D 4052	kg/m³	925
Kinematic Viscosity, 40 °C	D 445	mm²/s	45.9
Kinematic Viscosity, 100 °C	D 445	mm²/s	8.91
Viscosity Index	D 2270	-	178
Flash Point	D 92	°C	244
Pour Point	D 92	°C	-45
Colour	D 1500	-	L1.0
Rust Test, Proc. A and B, 24 h	D 665	-	pass
Emulsion, Distilled Water, 54.4 °C	D 1401	-	40-40-0 (20)
Air Release, 50 °C	DIN 51381	min	<1
Foam, 5 min blowing, seq. 1/2/3	D 892	ml	5/5/5
10 min settling, seq. 1/2/3		ml	0/0/0
Copper Strip, 3 h, 100 °C	D 130	-	1
Total Acid Number	D 974	mg KOH/g	1.0
Biodegradability, 28 days	OECD 301 B	%	91
Vickers, 35VQ25A, 250 bar, 50 h	M-2952-S	-	pass

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