Q8 Oils

PRODUCT DATA SHEET

Q8 Estin 68 S

Fire resistant HFDU hydraulic fluid

Description

Q8 Estin 68 S is fully synthetic fluid formulated with organic esters and specifically selected additives. This fluid is characterized by high flash and combustion points and has specific properties to avoid a violent and explosive ignition when they come into contact with flames or hot metal surfaces. Q8 Estin 68 S is FM (Factory Mutual) class 6930 approved. This lubricant is readily biodegradable 80% in 28 days.

Applications

Q8 Estin 68 S is suitable for hydraulic systems specifically used in steel industry, continuous casting machines, finishing rolling mills, paper industry, etc. and everywhere in presence of flames or fire risk.

Benefits

• Effortless and safe application for operators
• Extremely high flash point
• High viscosity index
• Excellent oxidation and thermal stability
• Readily biodegradable

Specifications & Approvals

FM	Approval Standard 6930	ISO	6743-4 HFDU

Properties

	Method	Unit	Typical
Appearance	Visual	-	Bright & Clear
Colour	D 1500	-	3
Density, 20 ˚C	D 4052	g/ml	0.927
Kin. Viscosity Base Oil at 40 ˚C	D 445	mm²/s	66
Kin. Viscosity Base Oil at 100 ˚C	D 445	mm²/s	11.8
Viscosity Index	D 2270	-	185
Flash Point, COC	D 92	˚C	>310
Fire Point, COC	D 92	˚C	360
Foam, 5 min blowing, seq. 1-2-3	D 892	ml	10/20/10
Foam, 10 min settling, seq. 1-2-3	D 892	ml	0/0/0
Pour Point	D 97	˚C	-35
Rust Test, Proc. A and B, 24 h	D 665	-	pass / pass
Copper Corrosion, 100 ˚C, 24 h	D 4048	-	1
Total Acid Number	D 974	mg KOH/g	1.9
Saponification number	D 94	mg KOH/g	200
FZG Test, A/8.3/90	DIN 51354	load stage	>11
Biodegradability, 28 days	OECD 301 B	%	80

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

Remarks

Metals and elastomers compatibility: in particular these fluids are compatible with Viton, Teflon, Buna N, Neoprene, Polyurethane. Complete mixability and compatibility between Q8 Estin 68 S and mineral oils, natural and synthetic esters.