

STRUB Vulcosafe HFD-U

Fire resistant ester based hydraulic fluid

Description

STRUB Vulcosafe HFD-U are fire resistant, biodegradable, environmentally friendly Hydraulic fluids based on synthetic esters.

Application

For hydraulic systems where there is a risk of fire due to heat or ignition sources in the vicinity, e.g. foundry / press shop.

Features and advantages

- excellent corrosion protection properties, very favorable viscosity temperature behavior and good elastometer compatibility
- very good lubricity, therefore ideally suited in systems with vane and gear pumps. STRUB Vulcosafe HFD-U is free of mineral oil
- Miscible and compatible with hydraulic fluids of the same type

Specifications

Type HFD-U according to marking of DIN standard 51502
VDMA standard sheet 24 317

Technical data

		22	32	46*	68
ISO class		33443	33445	31094	31375
Item no.		HFD-U 802	HFD-U 802	HFD-U 802	HFD-U 902
Designation		yellow	yellow	yellow	yellow
Color		0.926	0.916	0.918	0.922
Density at 20°C	g/ml	51.7	79.1	104	160
Viscosity at 20°C	mm ² /s	22.5	32.2	46	67.5
Viscosity at 40°C	mm ² /s	4.8	6.1	9.03	12.4
Viscosity at 100°C	mm ² /s	136	139	190	185
Viscosity index VI		> 235	> 220	260	> 300
Flash point	°C	> 250	> 240	> 320	> 320
Fire point	°C	- 48	- 46	<- 42	- 42
Pourpoint	°C	70 %	65 %	80 %	80 %
Biodegradability	OECD 301B	81 %	-	92 %	-
	CEC-L-33-A-93				

*Test report Intertek available.

Transport

ADR/SDR No dangerous goods

Disposal

LVA VeVA / EAK: 13 0 112

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