

RUBRIC HFDU FM

Synthetic Hydraulic Fluids

**DESCRIPTION**

RUBRIC HFDU FM is a high quality synthetic lubricant obtained by chemical synthesis from non-oil raw materials coming from renewable vegetable sources.

It is also biodegradable and meets FM Approvals fire resistant test Standard 6930 as an approved industrial fluid.

RECOMMENDED APPLICATIONS

RUBRIC HFDU FM can be used in all hydraulic systems, lubrication and circulating system particularly when there are potential risks of fire and / or water contamination.

Furthermore, thanks to its biodegradability, **RUBRIC HFDU FM** can be used in machines working in environmentally sensitive areas.

RUBRIC HFDU FM is perfectly adapted for the usage in plants particularly susceptible to fire. It has the peculiarity to reduce the possibility of ignition from open flames and is characterized by an excellent self-extinguishing power.

In addition, thanks to its exceptional demulsibility, **RUBRIC HFDU FM** finds excellent application in systems with a high risk of water contamination, facilitating the drainage and eliminating the risk of hydrolysis.

ADVANTAGES

- Excellent resistance to combustion.
- Readily biodegradable.
- Zinc-free.
- Excellent demulsibility.
- Very good anti-rust and anti-corrosive properties.
- Excellent oxidation stability.

PERFORMANCES

- ISO-HFD-U
- VDMA 24568
- ISO 6743/4 HM-HV
- DIN 51524, part 3
- ISO 15 380, part 4
- Vickers M-2952-S
- VII Luxemburg Report
- Vickers I-286-S

TECHNICAL INFORMATION

CHARACTERISTICS	Standards	RUBRIC HF DU 46 FM	UNIT
Viscosity at 40 °C	ASTM D 445	46	cSt
Viscosity index	ASTM D 2270	185	-
Density at 20 °C	ASTM D 4052	0.915	kg/L
Flash point	ASTM D 92	300	°C
Flame point	ASTM D 92	348	°C
Water separability	ASTM D 1401	40 / 40 / 0 (30)	ml / ml / ml (min)
FZG load stage	DIN 51354-2	> 12	
Sliding point	ASTM D 97	-30	°C
Rust test	ASTM D 665(A)	Pass A	
Acid number	ASTM D 974	< 1	mg KOH/g
Copper corrosion	ASTM D 130	1a	
Hydrolytic stability (aqueous phase)	ASTM D 2619	< 10	mg KOH
NAS polluting level	ASTM D 1638	max 8	

The specifications are given for information purposes only and may need to change.