

HYDRO TECH FG SERIES

HFD-U Type Fire Resistant Hydraulic System Fluid

Description

“HYDRO-TECH FG” Series is a polyol ester-based, water-free HFD-U type fire resistant hydraulic system fluid.

Applications

HYDRO-TECH FG series is designed for heavy industry hydraulic systems with fire risk and where energy efficiency is critical. HYDRO-TECH FG series are ready-to-use products and can be added directly to the system. Recommended continuous highest operating temperature is 70 °C.

Benefits

- Minimizes the risk of fire thanks to its high flash point and non-flammable structure.
- Provides high energy and work efficiency even at high temperatures thanks to its viscosity stability.
- Prolongs equipment life and increases work efficiency thanks to its high level of corrosion prevention.
- As it is filtered and filled after production, it ensures the protection of systems with servo valves and prevents failures and malfunctions.
- Causes no irritation on skin. Easy to add into the system.
- Preserves its viscosity stability throughout its lifetime.
- Highly resistant to oxidation, which makes it long-lasting.
- Has excellent corrosion resistance. Prevents the corrosive impact of the condensation in the system.
- Consistent with impermeability elements.

Typical Specifications*

ISO Viscosity Class		ISO VG 46	ISO VG 68
Density, @ 20°C, g/m3	ASTM D1298	0.913-0.928	0.910-0.935
Flash Point, COC, °C	ASTM D92	280 min	min 300
Viscosity, 40°C, mm ² /s	DIN 51562	41.4-50.6	61.2-74.8
Viscosity Index	DIN 51564	Min. 185	Min. 185
Pour Point, °C	ASTM D 97	-40 max	-30 max
Total Acid Number mgKOH/g	ASTM D664	Max 2.6	Max 2.6
Demulsibility (54°C, 30dk)	ASTM D1401	40/40/0	40/37/3
Foaming (Seq. 1) ml	ASTM D892	50/0	50/0

* Values shown may differ between productions.



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