

HYDRO TECH FG SERIES

HFD-U Type Fireproof Hydraulic System Fluid

Definition of

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

Places of Use

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

Features and Benefits

- It minimizes the risk of fire thanks to its high flash point and non-flammable structure.
- Thanks to its viscosity stability, it provides high energy and work efficiency even in hot weather.
- Increases equipment life and 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 malfunctions and faulty operations.
- Does not irritate the skin. It is easy to add to the system.
- Maintains its viscosity stability throughout its lifetime.
- It has high resistance to oxidation. In this way, it has a long service life.
- It has excellent corrosion resistance. It prevents the corrosive effect of water that is formed in the system.
- It is compatible with standard sealing elements.

Typical Features *

ISO Viscosity Grade		ISO VG 46	ISO VG 68
Density @ 20 ° C, g / m³ Flash	ASTM D1298	0.913-0.928	0.910-0.935
Point, COC, ° C	ASTM D92	280 min	min 300
Viscosity, 40 ° C, mm² / 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 Water	ASTM D664	Max 2.6	Max 2.6
Separation Test (54 ° C, 30 min.) Foam Test	ASTM D1401	40/40/0	40/37/3
(1st Stage) ml	ASTM D892	50/0	50/0

* Values may differ from production to production.

