



Hydromax FR-E 46

Fire resistant hydraulic fluid

Description

Hydromax FR-E is a long-life hydraulic fluid with high flash point synthetic ester, provided with good lubricating properties and long equipment life. Meets the requirements of ISO 6743/4 standard as fire resistant HFDU and ISO 15380 HEES class. Hydromax FR-E can be applied as hydraulic fluid whenever operating close to heat source. Hydromax is highly biodegradable so small leakages will not cause contamination.

Applications

Hydromax FR-E is suitable for hydraulic applications in:

- Hot rolling
- Continuous casting
- Ingots conveyors
- Metal casting
- Stamping, forging, and sintering
- Thermic treatments ovens
- Welding machines

No special care is required when handling this product. Hydromax FR-E is compatible with most of the common rubbers of the mineral oil operated circuits including NBR, unless in good condition. Natural rubbers and polyurethane are not advised.

Use conditions

When using Hydromax FR-E in a circuit which had been operating with a mineral hydraulic oil, it is sufficient to proceed as follows:

- Unload the circuit and clean the tank, making sure that the inner wall is not painted
- Take off and clean the filters
- Load the tank with Hydromax FR-E to the minimum level
- Run the circuit 1 or 2 hours under low pressure monitoring all movements
- Unload, and then set the filters, load again the tank with new Hydromax FR-E, and operate in normal conditions

Typical performance data

	Test method	FR-E 46
Appearance	MD 0	Clear liquid
Viscosity @ 40 °C, cSt	ASTM D-445	46
Viscosity @ 100 °C, cSt	ASTM D-445	9.13
Viscosity Index	ASTM D-2270	>180
Density @ 20 °C, g/ml	ASTM D-1298	0.925
Flash point, °C	ASTM D-92	>300
Pour point, °C	ASTM D-97	<-30
N.N., mgKOH/g	ASTM D-974	<1
Demulsivity, ml/min	ASTM D-1401	Max 40/37/3 (30')

All performance data on this Technical Data Sheet are indicative only and can vary during production

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