HYDROMAX FR-E 46

Product code: 261301701

Fire resistant hydraulic fluid

This product is a long life hydraulic fluid based on high flash point synthetic esters, providing with good lubricating properties and long equipment life. It meets the requirements of ISO 6743/4, HFDU and ISO 15380 HEES for fire resistant fluids. It can be applied as a hydraulic fluid whenever operating close to heat source. This product is highly biodegradable so small leakages will not cause contamination.

Applications

It is suitable for hydraulic applications in:

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

No special care is required when handling this product. This product is compatible with most of the common rubbers of the mineral oil operated circuits including NBR in good condition. Natural rubbers and polyurethane are not recommended.

Changeover

When using this product in a circuit which had been operating with a mineral hydraulic oil, it is sufficient to proceed as follows:

- Drain 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 this product 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

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Typical Performance Data

Property	Test Method	Value
Appearance	visual	Clear liquid
Viscosity @ 40 °C, mm²/s	ASTM D445	46
Viscosity @ 100 °C, mm²/s	ASTM D445	9.13
Viscosity Index	ASTM D2270	>180
Density @ 20 °C, kg/m³	ASTM D1298	925
Flash point, ºC	ASTM D92	>300
Pour point, ºC	ASTM D97	<-30
TAN, mgKOH/g	ASTM D974	<1
Demulsibility, ml oil/ml water/ml emulsion (min)	ASTM D1401	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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