ATLANTIC HYDRAULIC OILS FR

Fire-resistant Synthetic Hydraulic Fluids

PRODUCT DATA

DESCRIPTION

ATLANTIC HYDRAULIC OIL FR fluids are advanced, synthetic, anhydrous less flammable hydraulic fluids based on organic esters and proven additives. They are specially designed to provide good performance in conventional hydraulic systems and have better fire resistance than mineral oils. They are also biodegradable with a low Eco-toxicity, and are particularly suited for use in environmentally sensitive areas. **ATLANTIC HYDRAULIC OIL FR** exhibits increased safety levels for operators, minimizes the risk of fire and damage to equipment, as well as minimizing the risk of interruptions and production stoppages.

APPLICATIONS

ATLANTIC HYDRAULIC OIL FR range is recommended for applications where a fire-hazard exists & for hydraulic fluid applications that are environmentally sensitive. Typical applications are to be found in the tunnel boring, metal, mining and glass industries. They can replace mineral oils in hydraulic installations to provide good

PRODUCT BENEFITS

- Lower flammability than mineral oils.
- Readily biodegradable
- Low ecotoxicity - 'not harmful' to plants, invertebrates and fish
- Excellent viscosity/temperature characteristics
- Low flammability maintained during the life of the fluid.
- Excellent corrosion protection.
- Compatible with most materials specified for use with mineral oils.
- Pump anti-wear protection similar to mineral hydraulic oils

RECOMMENDATIONS / SPECIFICATIONS

ISO 6743/4 HFDU, ISO 12922, DIN 51502 HS-D

TYPICAL TECHNICAL PROPERTIES		
ISO Viscosity Grade	**46**	**68**
Product code	12673HF	12674HF
Appearance, Visual	B&C	B&C
Density at 15°C, g/ml, ASTM D4052	0.92	0.92
Kinematic Viscosity at 40°C mm^2/s, ASTM D445	48	68
Kinematic Viscosity at 100°C, mm^2/s, ASTM D445	9.5	12.5
Viscosity Index, ASTM D2270	190	185
Flash Point(COC), °C, ASTM D92	320	312
Fire Point(COC), °C, ASTM D92	360	360
Pour Point, °C, ASTM D97	360	360
Air Release, minutes, ASTM D3427	7	7
Autoignition Temperature, °C, DIN 51794	>400	>400

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.

Packing : 5 | 20 | 25 | 208 L

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** supersedes all previous versions*