



TARMOND HYFLO SAFE HFDU 46

FIRE-RESISTANT HYDRAULIC FLUID

Product Description:

Tarmond HyFlo SAFE HFDU 46 oil is a synthetic, organic-ester-based fluid that is self-extinguishing. The absence of nitrogen-sulfur- chlorine-, and phosphorus-containing components helps prevent the risks associated with the decomposition of harmful or toxic by-products.

When in contact with flames or hot surfaces, the product provides excellent anti-wear, antioxidant, anti-rust, and anti-foam performance, minimizing the risk of ignition and violent explosion. At the same time, it offers excellent lubricating capability and is compatible with seals and flexible hoses.

Applications:

Tarmond HyFlo SAFE HFDU 46 oil is typically used in hydraulic systems for continuous casting, blast furnaces, hot rolling mills, coke plants, and other applications in the iron, steel, metal, and glass industries.

If mineral oil has previously been used in the hydraulic circuit, it is generally sufficient to drain the system and then fill it with **Tarmond HyFlo SAFE HFDU 46** oil. However, if sludge is present, preventive flushing with the product is recommended.

If the system is operating with water-glycol or invert-emulsion fluids, the entire system must be drained and thoroughly flushed with the product. Existing seals and flexible hoses may be retained.

Benefits:

- ❖ Self-extinguishing properties limit the spread of fire
- ❖ Non-toxic, non-irritating and contains no hazardous ingredients
- ❖ Readily biodegradable and non-toxic to aquatic life
- ❖ Offers equivalent lubrication of premium grade anti-wear hydraulic oils
- ❖ High levels of oxidation resistance to prolong fluid life
- ❖ High viscosity index ensures suitability over a wide temperature range

Meets the Specifications:

ISO 6743-4 HFDU; ISO 15380 HEES; Denison HF-2, HF-6; OECD 201, 202 & 203 (Ecotoxicity), OECD 301B (Biodegradability)

Please check your owner's manual for the manufacturer's recommended oil viscosity grade and API classification and approvals.

Technical Data:

Tarmond HyFlo HFDU 46	Test Method	
ISO VG	HM	46
Viscosity at 40 °C, cSt	ASTM D 445	42 – 50
Viscosity at 100 °C, cSt	ASTM D 445	9 – 10
Viscosity Index	ASTM D 2270	175 – 180
Flash Point, °C	ASTM D 92	Min. 300
Pour Point, °C	ASTM D 97	Max. -40

Above values are the typical values of the products and may vary with each batch.