



SPO FIRE RESISTANT HYDRAULIC FLUID HFDU

PRODUCT DESCRIPTION:

SPO fire resistant hydraulic fluid HFDU is an ester-base, high-performance and fire resistant hydraulic fluid. It is designed for hydraulic equipments operating in locations comprising a fire risk, such as iron and steel works (coking plants, blast furnaces, continuous casting), mines, etc... The use of this fluid lessens the serious risks presented by recourse to a mineral oil on the occasion of rupture of a hose or when a leak gives rise to oil mist, in the immediate vicinity of a flame, a part in the process of melting or a switch cupboard.

APPLICATION:

It is used in areas of the manufacturing industry where there is high risk of fire such as hot strip mills, coil handling facilities, pipe mills and continuous casters.

FEATURES & BENEFITS:

- With its considerable fire resistance properties, is associated exceptional lubricating properties which guarantee a substantial reduction in wear, and therefore a longer service life of the hydraulic components
- High flash point and high spontaneous ignition temperature
- Low pour-point providing good performances at low temperature
- Very high natural viscosity index, guaranteeing a viscosity constantly adapted to the temperature range in which the fluid must be used
- Very good anticorrosion properties in relation to ferrous and non-ferrous metals making up a hydraulic circuit
- Very good oxidation stability: enhanced service life
- The product is not expected to produce adverse effects on health
- Maximum operating temperature is 120°C

PERFORMANCE LEVELS: Meets and Exceeds:

- ISO 6743/4 HFDU
- ISO 12922

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	SPO FIRE RESISTANT HYDRAULIC FLUID HFDU
ISO VG			68
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	TBR
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	12.9
Viscosity Index	ASTM D-2270	-	184
Air	ASTM D-3427	minutes	5.5
Neutralization Number (TAN)	ASTM D-974	KgKOH/g	1.5
Pour Point (max)	ASTM D-97	°C	-42
Flash Point (min)	ASTM D-92	°C	290
FZG	DIN 51354	-	12+

DISCLAIMER:

The test data mentioned above is not a definitive specification but serves as an indication and may fluctuate within acceptable production tolerances. Venom retains the right to alter this test data. Any updated information will replace previous versions, so please consult the latest Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil can lead to skin conditions. Please avoid contact. If you do come into contact with oil, wash the affected area immediately with soap and water. Do not dispose of used oil down drains or into the environment; instead, take it to an authorized used oil collection point.

HEALTH & SAFETY:

This product is unlikely to pose significant health or safety risks when used properly in the recommended application and with good personal hygiene practices. For more information, please refer to the Safety Data Sheet (SDS), which is available upon request from your local sales office.

PROTECT THE ENVIRONMENT:

Please take used oil to an authorized collection point and adhere to local regulations. Do not discharge it into drains, soil, or water.

STORAGE:

We recommend storing all packages in a covered area. If outdoor storage is necessary, drums should be positioned horizontally to prevent water ingress and protect the markings. Products should never be stored above 60°C or exposed to direct sunlight or freezing temperatures.