



## HYDROL HFDU

### FIRE RESISTANT HYDRAULIC OIL

#### PRODUCT DESCRIPTION:

HYDROL HFDU is an ester-based, high-performance, fire-resistant hydraulic fluid designed for use in hydraulic equipment operating in environments with fire risks, such as iron and steel works (coking plants, blast furnaces, continuous casting), mines, and similar applications. This fluid reduces the serious risks associated with mineral oils, particularly in the event of hose ruptures or leaks that create oil mist near flames, molten parts, or electrical switchboards.

#### 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 or Exceeds:

- ISO 6743/4 HFDU
- ISO 12922

#### TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	HYDROL HFDU	
ISO VG			46	68
Kinematic Viscosity @ 104°F /40°C	ASTM D7042	cSt	46	68
Viscosity Index	ASTM D2270	-	185	184
Pour Point (max)	ASTM D97	°C	-42	-42
Flash Point (min)	ASTM D92	°C	296	290

**DISCLAIMER:** The test data provided above is for reference purposes and is not a strict specification, as variations within acceptable production tolerances may occur. Phoenix reserves the right to update or revise this test data. For the most accurate and up-to-date information, please consult the latest version of this Technical Data Sheet (TDS).

#### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website [Phoenixlubricants.com](http://Phoenixlubricants.com)