HYDRON HFDU

PRODUCT DESCRIPTION:
HYDRON HFDU is a high-performance ester-based hydraulic fluid renowned for its superior fire resistance, tailored for hydraulic equipment operating in high-risk fire zones like steelworks, mines, and other hazardous environments. By utilizing this fluid, the potential dangers associated with mineral oils in such scenarios, like hose ruptures and leaks causing oil mist near flames or heat sources, are significantly reduced, minimizing fire hazards and ensuring safer operation in critical industrial settings.

APPLICATION:
HYDRON HFDU is utilized in manufacturing industries like hot strip mills, coil handling facilities, and pipe mills, dealing with heightened fire risks. Its fire-resistant properties reduce the risk of fire incidents and improve safety and operational reliability in these high-risk areas of the manufacturing sector.

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 (min), 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	HYDRON 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 is not a final specification; rather, it serves as a guideline and may vary within acceptable production tolerances. Bravoil reserves the right to modify this test data. Any updates will supersede previous versions, so please refer to the most recent 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 www.bravoil.ae

HEALTH & SAFETY:
This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.bravoil.ae

PROTECT THE ENVIRONMENT:
Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:
We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.