

DESCRIPTION

SUPERDRAULIC HFDU fluid is a new generation, high performance fire-resistant hydraulic fluid formulated primarily with high-quality, synthetic polyester and carefully selected additives to achieve excellent hydraulic fluid performance. It provides excellent pump wear protection and have inherently good lubricity, high oxidation stability and excellent detergency which contribute to system cleanliness. It provides superior protection against rust and vapour phase corrosion. SUPERDRAULIC HFDU fluids perform well in conventional hydraulic system and have superior fire resistance properties when compared with conventional mineral fluids. Pressurized oil in hydraulic systems presents a considerable fire hazard threat, particularly where ignition sources are present. The use of SUPERDRAULIC HFDU fluids reduce the serious risks of such fire risks. SUPERDRAULIC HFDU fluids are designed to provide long service and extended equipment life in demanding operation where fire hazards may be present. High viscosity index makes SUPERDRAULIC HFDU fluids suitable for a wide range of operating temperatures.

The operating pressure of this series of products is able to reach 40MPa, and is compatible with metal and non-metal materials. SUPERDRAULIC HFDU displays good adaptability, wide operating temperature range and long service life. It is a new type of non-toxic, biodegradable and environmentally friendly lubricant.

SUMMARY OF BENEFITS

- Good high and low temperature properties, low pour point, high flash point and high viscosity index.
- Excellent fire protection performance, reducing fire hazards and ensuring a safe working environment.
- Excellent anti-wear performance, can effectively prevent and reduce the wear of hydraulic pump and extend the service life of hydraulic system.
- Good material adaptability and anti-rust and anti-corrosion properties.
- Excellent oxidation resistance and thermal stability, prevent high-temperature oxidation of oil and extend oil change intervals.
- The product itself is biodegradable, non-toxic and environmentally friendly.

SUITABLE FOR

Hydraulic systems and continuous casting production lines in the steel industry, blast furnaces, furnace breakers, hot rolling mills, foundries, ladle valves, Hydraulics that require fire-resistant and safety equipment such as power stations and coal mines system.

TYPICAL CHARACTERISTICS

SUPERDRAULIC HFDU	TEST METHOD	UNITS	RESULTS
COLOR	VISUAL	-	YELLOW/AMBER
KINEMATIC VISCOSITY @ 40°C	ASTM D445	cSt	46
VISCOSITY INDEX	ASTM D2270	-	180
POUR POINT	ASTM D97	°C	-30
FLASH POINT (COC)	ASTM D92	°C	290
AIR RELEASE @ 50°C	ASTM D3427	min	8
ACID NUMBER	ASTM D974	mg KOH/g	≤1.5
Foam Test			
24°C	ASTM D892	ml-ml	50-0
93.5°C	ASTM D892	ml-ml	50-0

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.

STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C. Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

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