

FOODMAX BIO HVI 46

Product code: 266102401

Food grade & biodegradable hydraulic fluid

Foodmax BIO HVI 46 is a hydraulic fluid that combines the benefits of non-toxicity (food grade) and biodegradability. This makes it ideal for use in hydraulic systems that operate in food processing environments, particularly in environmentally sensitive areas. Examples of such applications include fish farms and fish processing facilities & vessels, as well as in agriculture. The non-toxic property of the fluid makes it safe for use close to food products, while its biodegradability ensures that it does not cause harm to the environment.

The product is blended from synthetic esters with selected additives that provides excellent anti-wear properties, enhanced resistance to oxidation and good corrosion protection. This product is fully compatible with any types of plastics. The high viscosity Index provides good viscosity versus temperature characteristics which are very beneficial in environments where temperature variations are found.

It is also suitable as HFDU class for applications close to heat sources and flames. It has a very low burn efficiency (how easy the fluid is to ignite) and has a high flash point. It will resist ignition when subjected to a high-pressure hydraulic leak, resulting in a significant reduction in fire hazard. Unlike water glycol-based formulations this product, does not require constant monitoring to maintain fire resistance.

This product meets the most stringent specifications of the food industry and fit perfectly in Hazard Analysis Critical Control Point (HACCP), Global GAP and other certification systems like BRC and ISO 22000. It also meets those requirements specified in FDA 21 CFR 178.3570.

The product may be used in hydraulic systems, food packaging, pneumatic systems found in fisheries, aquaculture and agriculture sectors having areas where contamination of the lubricant with soil, sewage or surface water is likely or may occur.

Performance level

Foodmax BIO HVI 46 meets Denison HF-0, HF-1, HF-2, Vickers M-2950-S and I-286-S. Passes DIN 51524-2.

Typical Performance Data



Typical	Test Method	Value
Appearance		Transparent
Colour		0.5
Density @ 20 °C, g/ml	ISO 3675	0.93
Viscosity @ 40 °C, cSt	ISO 3104	42-50
Viscosity Index	ASTM D2270	>190
Flash point, °C	ASTM D93	>280
Pour point, °C	ASTM D97	<-39
Demulsibility, (40/37/3-30 min.)	ASTM D1401	Pass
FZG	ASTM D5182	12
NSF approval		pending
Kosher		yes
Halal		yes

All performance data on this Technical Data Sheet are indicative only and can vary during production