



Foodmax BIO HVI 46

Food grade, fire resistant biodegradable hydraulic fluid

Description

Foodmax BIO HVI provides a unique combination of a non-toxic (food grade) fluid and biodegradability. This makes the product suitable for application where both characteristics are needed. Examples can be found in hydraulic systems which are operated in food processing which takes place in environmental sensitive areas of which examples can be found in:

- Fish farms
- Fish processing facilities
- Fish processing vessels
- Pelagic fish harvesting vessels

The product is blended from synthetic esters with selected additives that provides excellent anti-wear properties, enhanced resistance to oxidation and good corrosion protection. Foodmax BIO HVI 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.

Foodmax BIO HVI 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 Foodmax BIO HVI, does not require constant monitoring to maintain fire resistance.

Foodmax BIO HVI 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. Foodmax BIO HVI also meets those requirements specified in FDA 21 CFR 178.3570.

Applications

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

Performance level

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



Typical performance data

	BIO HVI 46
Appearance	Transparent
Colour	0.5
Density @ 20 °C, g/ml	0.93
Viscosity @ 40 °C, cSt	42-50
Viscosity Index	>190
Flash point, °C	>280
Pour point, °C	<-39
Demulsibility, ASTM D1401 (40/37/3-30 min.)	Pass
FZG	12

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

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