



PRODUCT DATA SHEET

FG CHAIN FLUID 46

PRODUCT DESCRIPTION

Hi-Tec FG Chain Fluid 46 is a food grade fluid designed for use as a low viscosity lubricating oil for chains and conveyors, and as a rust protective oil.

FOOD STATUS

Hi-Tec FG Chain Fluid 46 is AQIS approved for use in Export Registered Meat Establishments.

It is H1 registered by NSF. It meets the requirements of the US Department of Agriculture (USDA) as an H1 lubricant for use in federally inspected export meat and poultry plants where incidental food contact may occur.

All fluid components comply with FDA 21 CFR 178.3570 "Lubricants with incidental food contact".

It is certified Kosher and Pareve by Star K

APPLICATION

Hi-Tec FG Chain Fluid 46 is recommended for chain applications in all food processing plants where incidental food contact may occur. It is also recommended as a lubricant for hook and trolley systems in meat processing operations.

It may be applied by brush or drip feed, or by a centralized lubrication system or, for trolleys, by submersing them in a heated fluid tank at temperatures up to 85°C (185°F).

BENEFITS

- Better Wear Protection: anti-wear and lubricity additives extend chain life, reducing downtime and maintenance costs
- Better Corrosion Resistance: anti-corrosion additives protect chains and trolleys from rust, even in the wettest operating conditions
- Better Drip Protection: tackiness additives protect food products from fluid contact
- Equipment cleans up quickly and effectively due to balanced acidic additives which react quickly with caustic cleaning solutions
- Highly stable when heated and exposed to water, and rapidly demulsifies: extends fluid life in heated systems
- Remains fluid at low temperatures: to ensure proper lubrication in cold stores
- Highly resistant to foaming and air entrapment: protects equipment from lubricant starvation
- Tasteless, odourless and non-staining: rapid cleanup after contamination

Hi-Tec FG Chain Fluid 46 has a shelf life of up to two years from the date of manufacture, provided it is stored in a closed container away from heat and moisture.



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TYPICAL PROPERTIES

Property	ASTM Method	Results
Appearance	Visual	Clear slightly yellow
Colour	ASTM D1500	<0.5
Viscosity @100°C	ASTM D455	7.31 cSt
Viscosity @40°C	ASTM D445	43.7 cSt
Specific Gravity @15°C	ASTM D1298	0.868
Pour Point	ASTM D97	-15°C
Flash Point	ASTM D92	215°C
Total acid number, mg KOH/g	ASTM D664	11
Water Separability at 54°C	ASTM D1401	40-40-0mL fluid-water-emulsion (minutes to separation) (10)
Wear Protection, Four-ball wear (scar diameter, mm)	ASTM D4172	0.45
Extreme Pressure Protection, Four-ball weld load, kg (lb)	ASTM D2783	126 (278)
Rust Protection, A – distilled water B – synthetic sea water	ASTM D665	Pass Pass
Foaming Resistance, Sequence I Sequence II Sequence III	ASTM D892	10 / 0 60 / 0 20 / 0

Available in: 205 Litres

“Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au”

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