

FM GEAR OIL TLS 150

Speciality gear fluid for use in food manufacturing equipment

Performance Features

- The base fluid has been selected for its ability to provide superior lubrication under variety of applications
- Specially formulated to provide good lubrication even when operating in locations where it is subject to contamination with water, juice and food, which is held in suspension, thus protecting metal surfaces from wear and corrosion.
- Neutral odour and taste
- Good anti-oxidant properties. Resists the formation of deposits and sludge even at elevated temperatures, resulting in long equipment life



Roller bearings



Gears - enclosed



Can seamers and sterilizers



Partner Programme



NSF registered

Certifications and Specifications

- NSF H1
- NSF ISO 21469
- Kosher
- Halal
- DIN 51517 CLP

Description

FM GEAR OIL TLS 150 is a speciality anti-wear gear fluid which is specifically designed for use in the food and beverage canning industry. It is based on a careful blend of fluids and selected additives chosen for their ability to meet the stringent requirements of the food industry. Certified by NSF for ISO 21469 and registered by NSF (Class H1) for use where there is potential for incidental food contact. Produced according to FLT Quality Standards, in

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Special Application Lubricants

facilities where HACCP audit and Good Manufacturing Practice have been implemented and form part of the quality and hygiene management systems ISO 9001 and ISO 21469.

Applications

- Lubrication of rotary can seaming machines equipped with total loss systems
- Circulating and bearing oil systems where contamination with water or food juice can occur, such as citrus juice extraction machines
- Can be used on drives and transport chains in the food Industry. Easily applied by either brush, through baths or by automatic lubrication system

Seal and Paint Compatibility

Compatible with the elastomers, gaskets, seals and paints, such as poly-urethane and two part epoxy resin paints, frequently used on machinery and in lubrication systems employed in the food processing industry.

Handling and Storage

All food grade lubricants should be stored separately from other lubricants, chemical substances and foodstuffs and out of direct sunlight or other heat sources. Store between 0 °C and +40 °C. Provided that the product has been stored under these conditions we recommend to use the product within 5 years from the date of manufacture. Upon opening a pack, the product must be used within 2 years (or within 5 years of date of manufacture, whichever is the sooner).

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Technical Data: FM GEAR OIL TLS 150

<u>Characteristics</u>	<u>Value</u>	<u>Unit</u>	<u>Test Method</u>
NSF Reg. No.	144717		
Colour	Colourless to pale yellow		
Density [+15 °C]	873	kg/m ³	ISO 12185
Flashpoint	263	°C	ISO 2590
Pourpoint	-12	°C	ISO 3016
Kin. Visc. [+40 °C]	150	mm ² /s	ISO 3104
Kin. Visc. [+100 °C]	15,1	mm ² /s	ISO 3104
Viscosity index	104		ISO 2909
Operating temperatures	0 to +110	°C	LLS 134
short-term peak	-10/+120	°C	
FZG-Test A/8.3/90 Failure load stage	>12		ISO 14635-1

LLS = LUBRITECH Laboratory Specification
Typical for current production. Variations in these characteristics may occur.

As far as we know this information reflects the current state of knowledge and our research. It cannot, however, be taken as an assurance about the properties nor as a guarantee of the suitability of the product for the individual case in point. Before using our products the purchaser must, therefore, check their suitability and be satisfied that the output will be satisfactory. Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without prior announcement, unless otherwise provided in customer-specific agreements. With the publication of this product information sheet, all previous editions cease to be valid.

We are specialized in developing products for extreme tribological problems in cooperation with end users. FUCHS LUBRITECH provides service and individual advice. Please contact us!
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