

# CASSIDA Product Information



**LUBRITECH**  
Special Application Lubricants

## FM GEAR OIL TLS 150

Specialty gear fluid for use in food manufacturing equipment



Roller Bearings



Can Seamers and Sterilisers



Gears – enclosed



NSF registered

### Description

FM GEAR OIL TLS 150 is a specialty anti-wear gear fluid which is specifically designed for use in the food and beverage canning industry.

It is based on careful blend of fluids and selected additives chosen for their ability to meet the stringent requirements of food and beverage 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 LUBRITECH Quality Standards, in 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.

### Certifications and Specifications

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

### 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 odor and taste

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- Good anti-oxidant properties. Resists the formation of deposits and sludge even at elevated temperatures, resulting in long equipment life

## 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 32 °F and 100 °F. Provided that the product has been stored under these conditions we recommend that the product be used 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 the date of manufacture, whichever is sooner).

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## Typical characteristics

Property	Value	Unit	Test Method
NSF Reg. No.	144564		
Color	Colorless / slight pale		
Density at 15°C	897	kg/m <sup>3</sup>	ASTM D 4052
Flash Point	263 (505)	°C (°F)	ASTM D 92
Pour Point	-12 (10)	°C (°F)	ASTM D 97
Kin. Visc. (base oil) at +40 °C	150	mm <sup>2</sup> /s	ASTM D 445
Kin. Visc. (base oil) at +100 °C	15.1	mm <sup>2</sup> /s	ASTM D 445
Viscosity Index	104		ASTM D 2270
FZG Gear Test (A/8.3/90) Failure Load Stage	>12		ASTM D 5182

As far as we know these information reflect the current state of knowledge and our research. They 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 the suitability and be satisfied that the output will be satisfactory. Our products are continually being up-dated. We reserve the right, therefore, to alter the information of this product information at any time and without prior announcement. 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! E-Mail: [cassida.lubricants@fuchsus.com](mailto:cassida.lubricants@fuchsus.com)