



CASSIDA FLUID GLE

Enhanced performance gear lubricants for food & beverage processing equipment

Description

CASSIDA FLUID GLE 150 and 220 are fully synthetic, high performance, anti-wear gear lubricants, specifically designed for use in the food and beverage canning industry.

They are based on a careful blend of synthetic fluids and selected additives chosen for their ability to meet the stringent requirements of the food & beverage industry.

Certified by NSF for ISO 21469 and registered by NSF (Class H1) for use where there is potential for incidental food contact. Products contain only substances permitted under US 21 CFR 178.3570, 178.3620 and 182 for use in lubricants with incidental food contact.

Application

- Lubrication of rotary can seaming machines equipped with either enclosed (recirculating) or total loss systems
- Circulating and bearing oil systems where contamination with water or food juice can occur, such as citrus juice extraction machines

Advantages/Benefits

- The fully synthetic base fluids have been selected for its ability to provide superior lubrication under variety of applications
- CASSIDA FLUID GLE grades are specially formulated to provide excellent lubrication even when operating in locations where they are subjected to contamination with water, juice and food, which is held in suspension, thus protecting metal surfaces from wear and corrosion
- Excellent separation properties, from water, in oil recirculating and filtration systems
- Neutral odour and taste
- Good anti-oxidant properties. Resist the formation of deposits and sludge even at elevated temperatures resulting in long oil and equipment life

Specifications and Certificates

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

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Health, Safety and Environment - information is provided for products in the relevant Safety Data Sheet. This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products.

While the information and figures given here are typical of current production and conform to specification, minor variations may occur. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the products



Synthetic lubricants

- Do not contain natural products derived from animals or genetically modified organisms (GMO)
- Do not contain any allergenic or intolerance inducing substances as specified in Annex IIIa of EC directive 2003/89/EC
- Suitable for use where vegetarian and 'nut free' food is prepared
- Biostatic; do not promote the growth of bacteria or fungal organisms

Approvals & Recommendations

This is an ongoing process, please contact FUCHS for any updates.

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.

Protect the environment

Take used lubricants and empty packs to an authorised collection point. Do not discharge into drains, soil or water.

"Incidental Food contact"

Registered by NSF (Class H1) and meet the USDA H1 guidelines (1998) for lubricants for use where there is a potential for incidental food contact. Certified by NSF for ISO 21469, Safety of machinery, Lubricants with incidental product contact, Hygiene requirements. Made only from substances permitted under the US FDA Title 21 CFR 178.3570, 178.3620 and/or those generally regarded as safe (US 21 CFR 182) for use in food grade lubricants. To comply with the requirements of US 21 CFR 178.3570, contact with food should be avoided where possible. In the case of incidental food contact, the concentration of the products in the food must not exceed 10 parts per million (10mg/kg of foodstuff). In locations and/or applications where local legislation does not specify maximum concentration limits, FUCHS recommends that this same 10ppm limit be observed, as up to this concentration CASSIDA FLUID GLE grades will not impart undesirable taste, odour or colour to food, nor will they cause adverse health effects. Consistent with good manufacturing practice, use only the amount necessary to achieve correct lubrication and take appropriate corrective action should excessive incidental contact with food be detected.

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 products have been stored under these conditions we recommend that the products be used within 5 years from the date of manufacture. Consult FUCHS for details. Accept for use new CASSIDA FLUID GLE grades only if the manufacturer's seal is intact. Before opening the packs ensure the area around the closure is clean. It is recommended that it be cleaned with potable water and then dried with a clean cloth before opening. Record the date the seal was broken. To prevent product contamination, always close the package after use. 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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CHARACTERISTICS: CASSIDA FLUID GLE

Characteristics	Unit			Test Method
CASSIDA FLUID GLE		150	220	
NSF Registration No.		119921	119104	
Colour		Colourless / slightly pale		
Density at 15°C	kg/m ³	849	852	ISO 12185
Flashpoint	°C	258	270	ISO 2592
Pourpoint	°C	-54	-48	ISO 3016
Kinematic Viscosity at 40°C	mm ² /s	150	220	ISO 3104
Kinematic Viscosity at 100°C	mm ² /s	19	25	ISO 3104
Viscosity index		140	143	ISO 2909
Demulsibility at 82°C after 60 min.			No separation	ISO 6614
FZG-Test A/8.3/90	Failure Load Stage		>12	ISO 14635-1

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