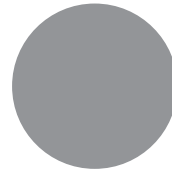


# CASSIDA FLUID GL Series

## Product Information

Synthetic gear lubricants for use in food  
manufacturing equipment



**CASSIDA FLUID GL 150, 220, 320, 460 and 680** are high performance, anti-wear gear oils specially developed for the lubrication of enclosed gears in food and beverage processing machinery.

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 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 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 51506 VBL (GL 150, 220), VCL (GL 150)
- ISO/DP 6743/6 L-CKD
- DIN 51517 CLP



## PERFORMANCE FEATURES

- Resists the formation of harmful products of oxidation even at elevated temperatures
- Base oil has an ability to provide superior lubrication under all operating conditions
- Excellent EP properties make CASSIDA FLUID GL suitable for steel-on-steel and worm and phosphor-bronze wheel applications
- Neutral odour and taste
- High viscosity index resulting in minimum variation of viscosity with change in temperature

## APPLICATIONS

- Lubrication of enclosed gearboxes used in the food industry
- Also intended for use in equipment manufacturing food packaging

## SEAL AND PAINT COMPATIBILITY

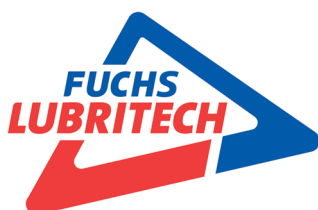
Compatible with the elastomers, gaskets, seals and paints normally used in food machinery lubrication systems.

## 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).

## TYPICAL CHARACTERISTICS (Typical for current production. Variations in these characteristics may occur.)

			CASSIDA FLUID GL				
			150	220	320	460	680
Property		Test Method					
NSF Reg. No.			144689	144690	144691	144692	144693
Colour			Colourless, pale yellow				
Density at +15 °C	kg/m <sup>3</sup>	ISO 12185	845	847	852	855	858
Flashpoint	°C	ISO 2592	268	276	278	270	286
Pourpoint	°C	ISO 3016	-54	-48	-45	-45	-39
Kin. Visc. at +40 °C	mm <sup>2</sup> /s	ISO 3104	150	220	320	460	680
Kin. Visc. at +100 °C	mm <sup>2</sup> /s	ISO 3104	18.9	25.0	33.4	43.8	58.6
Viscosity index		ISO 2909	143	143	147	148	152
FZG-Test A/8.3/90 Failure Load Stage		ISO 14635-1	>12				



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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@fuchs-lubritech.de](mailto:cassida.lubricants@fuchs-lubritech.de)