



BARREL LUBE FG-E Series (High temperature oven chain lubricants)

BARREL LUBE FG-E series are high temperature oven chain lubricants for food machinery formulated with approved raw materials by FDA(Food and Drug Administration) and NSF(National Sanitation Foundation). BARREL LUBE FG-E series are based on a careful blend of polyol-ester and selected additives chosen for their ability to meet the stringent requirements of the food and beverage industry.

1. Features

- (1) NSF H1-registered supporting process reliability.
- (2) Excellent oxidation and thermal stability in high temperatures.
- (3) Low deposit formation.
- (4) Low volatility.
- (5) High flash point.

2. Applications

BARREL LUBE FG-E series are recommended for use in drive and transport chains subject to high temperatures within food and beverage industry (e.g. bakeries).

BARREL LUBE FG-E series are suitable for temperature up to 250°C.

3. Typical properties

Property	BARREL LUBE		
	FG-220E	FG-320E	
NSF Registration No.	159287	163494	
Category Code	H1	H1	
Density 15°C	g/cm ³	0.958	0.963
Flash Point (COC)	°C	290	300
Pour Point	°C	-25.0	-17.5
Kinematic Viscosity 40°C	mm ² /s	220	320
Kinematic Viscosity 100°C	mm ² /s	18.6	23.1
Viscosity Index		94	90
Acid Number	mgKOH/g	0.30	0.30
Copper Strip Corrosion 100°C,3h		1	1
Color (ASTM)		L1.0	L1.0
Four-Ball wear, Scar diameter (1200rpm,392.2N,75°C,60min)	mm	0.46	0.46
Base Oil		Ester	Ester

(2022.07)

●BARREL LUBE is registered trademark of Matsumura Oil Co., Ltd.

●The data in this document are not standard values. The data described in this document are not standard values and are subject to change without notice due to product improvements or specification changes.

●Company product information does not constitute a warranty that products are compatible with a specific or individual machine, equipment article, or application.

●When using this product, be sure to test it beforehand at your company to confirm that it meets the conditions of use. The applications described herein are not guaranteed to be free from any patent infringement.

●Our H1 products have been developed and manufactured for Food industrial applications. If you wish to use our products in a special application, please test them beforehand and confirm their safety before use. Do not use this product for medical or implant applications.

●When using this product, please confirm the precautions for handling and storage, first aid, disposal, and other precautions in the Safety Data Sheet (SDS).

●Please contact the head office of Matsumura Oil Co., Ltd. if you wish to reprint this document.