



Progress with high technology

MATSUMURA OIL CO., LTD.

H03001001K(E)



## **BARREL HYDRAULIC OIL FG Series**

(Hydraulic oils for food machinery)

BARREL HYDRAULIC OIL FG series are hydraulic oils for food machinery formulated with approved raw materials by FDA(Food and Drug Administration) and NSF(National Sanitation Foundation). BARREL HYDRAULIC OIL FG series are based on a careful blend of highly refined mineral oil 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 anti-wear property.
- (3) Excellent water separation property.
- (4) Lower oil consumption.

### 2. Applications

BARREL HYDRAULIC OIL FG series are recommended for use in hydraulic systems within food and beverage processing and packing industry.

### 3. Typical properties

Property	BARREL HYDRAULIC OIL			
	FG-32	FG-46AH	FG-68	
NSF Registration No.	134927	156256	144371	
Category Code	H1	H1	H1	
Density 15°C	g/cm <sup>3</sup>	0.846	0.849	0.848
Flash Point (COC)	°C	244	256	258
Pour Point	°C	-15.0	-15.0	-15.0
Kinematic Viscosity 40°C	mm <sup>2</sup> /s	32.0	46.0	68.0
Kinematic Viscosity 100°C	mm <sup>2</sup> /s	5.87	7.55	10.6
Viscosity Index		129	130	145
Acid Number	mgKOH/g	0.35	0.35	0.35
Rust Characteristics 24h,60°C (artificial sea water)		Pass	Pass	Pass
Copper Strip Corrosion 100°C,3h		1	1	1
Water Separability 54°C	ml(min)	40-40-0(10)	40-40-0(10)	40-40-0(10)
Color (ASTM)		L0.5	L0.5	L0.5
Four-Ball wear, Scar diameter (1200rpm,392.2N,75°C,60min)	mm	0.48	0.46	0.47
Base Oil		Highly refined mineral oil	Highly refined mineral oil	Highly refined mineral oil

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●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).

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