



BARREL FREEZE FG Series (Refrigeration oils for food machinery)

BARREL FREEZE FG series are refrigeration oils for food machinery formulated with approved raw materials by FDA(Food and Drug Administration) and NSF(National Sanitation Foundation). BARREL FREEZE FG series are based on a careful blend of polyalphaolefin 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 low-temperature property.
- (3) High viscosity index, low pour point and wax-free.
- (4) Excellent chemical stability in the presence of refrigerant.
- (5) Excellent lubricity.

2. Applications

BARREL FREEZE FG series are recommended for use in refrigeration compressors within food and beverage industry.

Recommended for use with following refrigerant : Ammonia

3. Typical properties

Property	BARREL FREEZE				
	FG-32P	FG-46P	FG-68P	FG-220P	
NSF Registration No.	134968	134970	134969	140955	
Category Code	H1	H1	H1	H1	
Density 15°C	g/cm ³	0.828	0.832	0.836	0.845
Flash Point (COC)	°C	248	262	266	280
Pour Point	°C	-60.0	-57.5	-50.0	-40.0
Kinematic Viscosity 40°C	mm ² /s	32.0	46.0	68.0	220
Kinematic Viscosity 100°C	mm ² /s	6.01	7.73	10.2	25.1
Viscosity Index		136	136	136	144
Acid Number	mgKOH/g	0.01	0.01	0.01	0.01
Copper Strip Corrosion 100°C,3h		1	1	1	1
Color (ASTM)		L0.5	L0.5	L0.5	L0.5
Falex Load Carrying Capacity	N	2580	2890	3110	3300
Base Oil		PAO	PAO	PAO	PAO

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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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