



Our Business is Global

# TECHNICAL DATA

## FOODSAFE GEAR FG SERIES SEMI-SYNTHETIC FOOD GRADE GEAR OILS

FOODSAFE GEAR FG SERIES synthetic blend lubricants offer high performance at an affordable price and are specially formulated for gear systems operating in the food processing, beverage, and packaging industries. These synthetic blend lubricants are NSF H-1 Registered, FDA approved and meet U.S.D.A. 1998 H-1 guidelines for lubricants with incidental contact with food.

### PRODUCT APPLICATION

Beverage Canning	Dairy Operations	Pharmaceutical Plants
Bottling Operations	Fruit and Vegetable Processing	Food Processing Equipment
Meat and Poultry Processing	Bakeries	Proofer Ovens

### PRODUCT FEATURES

- Colorless, odorless and manufactured from premium mineral oils and synthetic blend base stocks which contain selective additives to provide long term oxidation stability, rust & corrosion protection, EP wear protection, and good demulsibility.
- These semi-synthetic gear lubricants provides excellent wear protection, load carrying capability and pass the highest stages of the FZG test
- Available in 1 gallon, 5-gallon pail or 55-gallon drum

### Physical Properties

FOODSAFE PRODUCTS	GEAR FG-150	GEAR FG-220	GEAR FG-320	GEAR FG-460	GEAR FG-680
<b>ISO GRADE</b>	<b>150</b>	<b>220</b>	<b>320</b>	<b>460</b>	<b>680</b>
Viscosity Index	98	96	127	129	136
Viscosity @ 40° C, cSt	146	226	341	483	700
Viscosity @ 100° C, cSt	14.5	19.3	31.0	40.2	54.3
Flash Point, ° F (°C)	445 (230)	445 (230)	445 (230)	445 (230)	460 (238)
Fire Point, ° F (°C)	485 (252)	480 (249)	485 (252)	485 (252)	490 (254)
Pour Point, ° F (°C)	0 (-18)	-6 (-21)	5 (-15)	0 (-18)	-6 (-21)
Specific Gravity	0.875	0.878	0.880	0.883	
FZG Gear Test	12+	12+	12+	12+	12+
	Pass	Pass	Pass	Pass	Pass
Color	Clear	Clear	Clear	Clear	Clear
NSF Registered	H-1	H-1	H-1	H-1	H-1

HANDLING PRACTICES For information on the safe handling and use of this product refer to the Material Safety Data Sheet. For more information and availability, call (630) 513-6350.

***FOODSAFE GEAR FG SERIES are ideal for lubrication of gear systems and production equipment with incidental contact with food.***



**PETROCHEM, INC.**  
SPECIALTY LUBRICANTS

The information contained herein is believed to be accurate but all suggestions are made without Guarantee because the conditions of actual use are beyond our control. Petrochem disclaims all Liability incurred in connection with the use of this data or suggestions.

6N999 Whispering Trail Road, St. Charles, IL 60175  
Phone: 630.513.6350 Fax: 630.513.8324  
www.petrochem1.com info@petrochem1.com

**Member of the American Baking Society  
& Supplier Diversity Program**

