



PURITY™ FG2 CLEAR GREASE

Introduction

PURITY™ FG2 CLEAR Grease is an advanced colourless lubricant specially formulated to deliver superior performance and food grade purity under the highly demanding conditions of food processing operations.

PURITY FG2 CLEAR Grease provides outstanding lubrication and pumpability over a wide range of temperatures, and exceptional resistance to water washout and water jet spray loss.

PURITY FG2 CLEAR Grease also provides excellent protection of gears, bearings and equipment from wear and corrosion.

Superior Performance Benefits

- **Superior resistance to lubricant breakdown in harsh operating environments**
 - Maintains consistency and lubrication in the presence of food acids, juices and by-products
 - Does not run from bearings under steam cleaning
 - Highly resistant to water washout, water jet spray, and most sterilizing chemicals used in cleaning
- **Effective across a wide range of temperatures**
 - Will not run from bearings near ovens
 - Pumpable at low temperatures
 - Ideal for heavily loaded bearings operating under wide temperature swings
- **Excellent protection of gears, bearings and equipment**
 - Helps to prevent seizure, scuffing and spalling with its protective load carrying capacity
- **Long-term equipment protection from rust and corrosion**
 - Helps to prevent bearing, gear and equipment damage in moist or wet operations
- **Colourless, non-staining performance**
 - Does not stain food, clothing, wood or porous materials
 - Wipes up easily and effectively in the event of incidental contact with food products or packaging

Food Grade Approved

- **Fully approved for use in and around food processing areas**
 - H1 registered by NSF
 - This product is produced in strict compliance with ISO 21469
 - All components comply with FDA 21 CFR 178.3570 “Lubricants with incidental food contact”
 - Acceptable for use in food processing facilities in Canada
 - Fits perfectly in HACCP (Hazard Analysis and Critical Control Point) and GMP (Good Manufacturing Practice) Plan
 - Certified Kosher and Pareve by Star K
 - Certified Halal by IFANCA



Nonfood Compounds
Program Listed H1



- **Free of genetically modified substances (GMS)**
- **Maintains food allergy safety**
 - Free of gluten
 - Does not contain, nor is it manufactured in a facility that manufactures, stores, or otherwise handles any nuts, sesame seeds, milk, eggs, fish and shellfish, soy, wheat or sulphites. For a complete list of PURITY FG approvals, consult a Petro-Canada Lubricants Technical Service Representative
- **Zinc Free**

Applications

PURITY FG Grease is specially formulated for the food industry for use in anti-friction bearings, slides and guides throughout food processing plants. It is specifically formulated for beverage production machinery such as canning and bottling equipment.

Typical Performance Data

PROPERTY	ASTM Test Method	PURITY FG2 CLEAR GREASE
NLGI Grade	-	2
Grease Type	-	Aluminium Complex
Penetration, Unworked	D217	299
Worked 60 strokes	D217	293
Penetration change after 10,000 strokes	D217	4
Colour	-	Clear
Odour	-	Neutral
Dropping Point, °C / °F	D2265	277/531
Water Washout, % @ 79 °C / 174 °F	D1264	0.75
Water Spray Off, % loss	D4049	27.7
Extreme Pressure Protection		
Timken, kg/lb	D2509	9/20
Four Ball Wear, scar diam (mm)	D2266	0.49
Four Ball Weld, kg	D2596	200
Load Wear Index	D2596	41.2
Corrosion Protection:		
Copper Corrosion	D4048	1A
Bearing Corrosion	D1743	Pass
Oxidation Stability:		
Pressure drop after 100 hours, kPa / PSI	D942	7/1
Base Oil Viscosity		
cSt @ 40 °C / SUS @ 100 °F	D445	185/971
cSt @ 100 °C / SUS @ 210 °F	D445	18/92
Base Oil Pour Point, °C / °F	D5950	-12/10
Operating Temperature Range, °C / °F	-	-20 °C to 160 °C / -4 °F to 320 °F
Minimum dispensing temperature, °C / °F	-	-20/-4

The values quoted above are typical of normal production. They do not constitute a specification.

To order product or to learn more about how Petro-Canada Lubricants can help your business visit: lubricants.petro-canada.com or contact us at: lubecsr@petrocanadalsp.com



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