

# JAX HALO-GUARD® FG GREASES

NSF H1 High Temperature Corrosion Control Grease

FOOD GRADE

## PRODUCT DESCRIPTION

JAX Halo-Guard FG greases are manufactured with an advanced, proprietary calcium sulfonate complex thickener and carefully selected additive package to provide the ultimate food grade, multi-purpose grease. These greases satisfy the lubricant demands for difficult, highly-loaded, greased gear and bearing applications in food plant machinery operation.

## PRODUCT BENEFITS

- **Outstanding Mechanical Stability** – Shows little change in Cone Penetration (ASTM D 217) or consistency after 100,000 strokes. There is no evidence of shear breakdown in the Roll Stability Test (ASTM D 1831), even in an extended high temperature, modified version to increase the test's severity.
- **Excellent Extreme Pressure and Antiwear Performance** – Illustrated with Timken OK Values (ASTM D 2509) of 60 pounds or greater and 4-Ball EP (ASTM D 2596) LWI results of over 60 kgf with a weld point of 500 kgf. 4-Ball Wear (ASTM D 2266) performance is equally impressive with typical wear scar of less than 0.40 mm.
- **Protects Against Rust and Corrosion** – Easily passes the standard Corrosion Preventive Properties Test (ASTM D 1743). A severe, Salt Fog Test (ASTM B 117) yields passing performance in excess of 300 hours, something few food grade greases of any other technology can achieve.
- **Thermal and Oxidative Stability** – Highest temperature capable, heavy duty, food grade grease on the market.
- **Excellent Water Resistance** – Exceptional water resistant performance, which is of particular importance in food and beverage plants.
- **Contains Micronox®** – A groundbreaking advance in food grade technology with exceptional performance in preserving and protecting food grade lubricants from microbial contamination.
- **NSF H1 Registered**
- **Kosher Pareve Certified**
- **JAX Halo-Guard FG-2 is Available in Aerosol Spray**

## COMPATIBILITY

Extensive grease compatibility studies have shown that JAX Halo-Guard FG possesses very good compatibility with the vast majority of the most popular food grade greases currently on the market. Please contact your JAX Sales Representative with questions regarding specific applications.



## APPLICATIONS

- Recommended for highly loaded gear sets and bearings
- All food or beverage equipment subject to water and corrosive washdown
- Food and beverage shop and plant equipment including fork trucks, conveyors and material handling equipment presses, grain presses and packaging machines



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TYPICAL PROPERTIES	HALO-GUARD FG-2	HALO-GUARD FG-LT	HALO-GUARD FG-00	METHOD
Soap Type	Calcium Sulfonate Complex	Calcium Sulfonate Complex	Calcium Sulfonate Complex	
NLGI Grade	2	0.5-1	00	
Penetration, Unworked	265-295	320-345	400-430	ASTM D 217
Penetration, Worked	265-295	320-345	400-430	ASTM D 217
Dropping Point, °F (°C), min	600 (316)	500 (260)	490 (254)	ASTM D 2265
Base Fluid Viscosity Index	92	92	92	ASTM D 2270
Base Fluid Viscosity @ 40°C, cSt	95	95	95	ASTM D 445
Base Fluid Viscosity @ 100°C, cSt	10.5	10.5	10.5	ASTM D 445
Base Fluid Flash Point °F (°C)	482 (250)	482 (250)	482 (250)	ASTM D 92
Base Fluid Fire Point °F (°C)	572 (300)	572 (300)	572 (300)	ASTM D 92
Base Fluid Pour Point °F (°C)	+10 (-12)	+10 (-12)	+10 (-12)	ASTM D 97
Grease Oxidation, psi loss, 1000 hrs	9.0	6.0	6.0	ASTM D 942
Water Washout @ 175°F (79.4°C), % loss	0.5	0.5	4.5	ASTM D 1264
Rust Test	Pass	Pass	Pass	ASTM D 1743
Oil Separation Test, %	Nil	0.5	1.0	ASTM D 1742
Salt Fog Corrosion (hrs to failure)	>300	>300	>300	ASTM B 117
Roll Stability, % Change	3.1	2.6	2.0	ASTM D 1831
Four-Ball Wear, mm	0.38	0.48	0.48	ASTM D 2266
Timken OK Load, lbs.	60	50	50	ASTM D 2509
4-Ball Weld, kgf	500	400	315	ASTM D 2596
Load Wear Index, kgf	62	50	41	ASTM D 2596
Wheel Bearing Life Test, hours	180	180	180	ASTM D 3527
Color / Texture	Off-White / Smooth	Off-White / Smooth	Off-White / Smooth	
NSF Registration No. / Category Code	126100 / H1	128352 / H1	136970 / H1	

## AEROSOL PRODUCT

TYPICAL PROPERTIES	HALO-GUARD FG-2
Propellant	Propane and Butane
Flash Point	Extremely Flammable
Spray Pattern	Medium Stream
Viscosity	95 cSt @40°C (Base Fluid of Grease), typical

TYPICAL PROPERTIES	HALO-GUARD FG-2
Texture	Thick Wet Grease
Appearance	Tan
Consistency	Heavy
Specific Gravity ASTM D 1298	0.97
NSF Reg. No. / Category Code	131601 / H1

## PACKAGING

CONTAINER SIZE	HALO-GUARD FG-2	HALO-GUARD FG-LT	HALO-GUARD FG-00
400 Pound Drum	HLG02-400	HLGLT-400	HLG00-400
120 Pound Keg	HLG02-120	HLGLT-120	HLG00-120
35 Pound Pail	HLG02-035	HLGLT-035	HLG00-035
50 Cartridge Case	HLG02-050	HLGLT-050	N/A
Aerosol (12/cs)	JAX213	N/A	N/A