

**ELM Food Grade Hi-Temp Grease NLGI Grade 1 & 2**  
**Part Number: G-160**  
**Premium Biodegradable Food Grade Grease**



**DESCRIPTION** ELM high-temperature biodegradable food grade machinery grease is formulated with optimized USA-grown seed oils that surpass the lubricity of most conventional oils. It is formulated in accordance with the criteria established by USDA H-1 and U.S. FDA regulation 21 CFR 178.3570, "Lubricants With Incidental Food Contact." It has been approved by the NSF.

**BIOBASED** Based on evaluation of the base oils and the finished products, the ELM biobased products are designed to be biodegradable, aquatically non-toxic, not-bioaccumulative, and with no impact on plants as determined by known test methods. Nevertheless, the use of all of ELM products are subject to the local ordinances and the responsibility for impact remains with the users.

**APPLICATIONS** Meets the demanding applications of the food processing and beverage industries. Excellent for lubrication of bearing, grease lubricated gears, and machine slides.

**BIOBASED-BIODEGRADABLE-NON-BIOACCUMULATIVE** Superior lubricity protects moving parts  
 Has no "dropping point" (will not melt)  
 Provides long lasting lubrication at high temperatures  
 Extreme pressure additives protect under heavy shock loads  
 Protects all ferrous metal components from rust and corrosion  
 Superior adhesion resists water wash out  
 Excellent operating temperature range  
 Meets USDA's Biobased product definition for EO 13101  
 Meets EPA's Environmental Preferable Purchasing (EPP) criteria  
 Made from renewable USA-grown crop-based oils

**PERFORMANCE LEVELS** Conforms to USDA H-1 rating  
 Conforms to regulation 21 CFR 178.3570, "Lubricants Incidental Food contact."  
**NSF Registered**

TYPICAL PROPERTIES	NLGI Grade	1	2
		Appearance	Natural
Thickener	Inorganic Clay	Inorganic Clay	
Penetration, 60 strokes ASTM D-217	310-350	265-295	
Four Ball Wear Scar (mm)	0.48	0.48	
Four Ball Weld Load (kg)	200	200	
Corrosion, ASTM D-1743	Pass	Pass	
Base Oil Viscosity at 40°C	180	220	
Base Oil Viscosity at 100°C	22	36	
Base Oil Viscosity Index	198	214	
Base Oil Biodegradability – OECD 301	Pass	Pass	
Base Oil Aquatic Toxicity – OECD 202	Non-toxic	Non-toxic	
Base Oil Plant Toxicity – OECD 208	Non-toxic	Non-toxic	

**PACKAGING** 35 lb Pails  
 120 lb Kegs  
 400 lb Drums  
 2100 lb Totes

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