

ELM Food Machinery NLGI Grade 1 & 2
Part Number: G-170, G-180
Premium Biodegradable Food Grade Grease



DESCRIPTION ELM SoyGrease™ Food Machinery is formulated with optimized USA-grown natural 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-BIODEGRADABLE-NON-BIOACCUMULATIVE 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 ultimate 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.

BENEFITS Superior lubricity protects moving parts
 Extreme pressure additives protect under heavy shock loads
 Superior adhesion resists water washout
 Excellent operating temperature range

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

TYPICAL PROPERTIES	NLGI Grade	1	2
	Appearance		Golden
Dropping Point (°C), ASTM D2265		>240	>240
Penetration, 60 strokes ASTM D-217		310-330	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	<i>14 oz Cartridges</i>	<i>400 lb Drums</i>	<i>2100 lb Totes</i>
	<i>35 lb Pails</i>	<i>120 lb Kegs</i>	

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