



## VpCI® Heavy Duty Lubricants & Greases

# EcoLine® Bio-Based Food Machinery Grease #1 and #2



### FEATURES

- Formulated in accordance with U.S. FDA regulation 21 CFR 178.3570, "Lubricants With Incidental Food Contact"
- Listed as part of the USDA BioPreferred® Program
- Operates under a wide range of temperatures
- Contains extreme pressure additives
- Biodegradable
- Not toxic to plants\*

### BENEFITS

- Provides superior lubricity to moving parts
- Protects ferrous metals from rust
- Protects equipment/gears under heavy shock loads
- Resists water washout

### APPLICATION

Apply to food machinery or other equipment wherever NLGI grade 1 or 2 grease is needed.

- Typical applications for Grease #1:
- Low speed bearings
  - Oscillating machinery
  - Other ambient or low temperature applications

- Typical applications for Grease #2:
- Bearings
  - Gears
  - Machine slides

\*It is always important to ensure that use and disposal of all materials is in accordance with local guidelines.



### PRODUCT DESCRIPTION

EcoLine® Bio-Based Food Machinery Lubricating Grease #1 and #2 are NLGI grade 1 and 2 greases for lubrication of machinery where there is the possibility of incidental contact with food. Made from natural seed oils, EcoLine® Bio-Based Food Machinery Grease #1 and #2 provide superior lubricity to moving metal parts. They show good adhesion to resist water washout and have a wide range of operating temperatures. EcoLine® Bio-Based Food Machinery Lubricating Grease #1 and #2 contain 96% USDA certified biobased content and are qualified products under the mandatory federal purchasing initiative of the USDA BioPreferred® Program. They are ready to meet demanding lubrication applications in the food and beverage processing industries. EcoLine® Bio-Based Food Machinery Lubricating Grease #1 and #2 are registered with the NSF Nonfood Compounds Registration Program as H1 category lubricants for incidental food contact (Reg. #157337 and Reg. #157338, respectively).



## TYPICAL PROPERTIES

Oil Characteristics		Typical Values	
		EcoLine® Food Machinery Lubricating Grease #1	EcoLine® Food Machinery Lubricating Grease #2
NLGI Grade		1	2
Appearance		Golden	Golden
Base Oil Viscosity	40 °C (104 °F)	130	130
	100 °C (212 °F)	22	22
	Index	198	198
Dropping Point (ASTM D2265)		265 °C (509 °F)	273 °C (523 °F)
Penetration, 60 strokes (ASTM D-217)		340	280
Four Ball Wear Scar		0.48 mm	0.48 mm
Four Ball Weld Load		200 kg	200 kg
Corrosion (ASTM D-1743)		Pass	Pass

## STORAGE AND PACKAGING

Available in 14 ounce (396 g) cartridges (12 per carton), 5 gallon (19 liter) plastic pails, and 55 gallon (208 liter) metal drums.

To avoid separation, store in a cool, dry area at 32-86 °F (0-30 °C). EcoLine® Bio-Based Food Machinery Lubricating Grease #1 and #2 should be stored in a sealed container. Exposure to high temperatures, dust, dirt, or other contaminants can severely deteriorate the quality of the product.

**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINER TIGHTLY CLOSED**  
**NOT FOR INTERNAL CONSUMPTION**  
**CONSULT SAFETY DATA SHEET FOR MORE INFORMATION**

### LIMITED WARRANTY

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