



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.



Nonfood Compounds
(Category Code: H1)
(Registration #157337)

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

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