



PRODUCT INFORMATION SHEET

WYNN'S FOOD MACHINERY GREASE

Product Number: 51345 20 x 450g

Wynn's Food Machinery Grease is a premium, up-market, quality NLGI Grade No. 2 consistency grease composed entirely of ingredients which meet the requirements of Section 178.3570 of the Food and Drug Administration regulations.

Wynn's Food Machinery Grease has the approval by AQIS of the Department of Primary Industries and Energy. Also, it has been ruled acceptable by the U.S. Department of Agriculture for the processing machinery in federally inspected meat and poultry processing plants.

Advantages

Wynn's Food Machinery Grease will satisfactorily lubricate most machinery and equipment used in producing, manufacturing, packaging, processing, preparing, treating, transporting or holding of food.

Wynn's Food Machinery Grease is pure white, odourless and tasteless. It is made with a USP white mineral oil and a special aluminium complex thickener. It contains additives to provide protection against rust and to resist oxidation.

Wynn's Food Machinery Grease provides the following benefits:-

- Rust Protection - This grease contains an FDA - approved rust inhibitor and protects bearings subjected to wet conditions (high humidity, water washing, steam). It also protects during periods of machine idleness.
- Provides Bearing Seal - This grease resists water washout and provides a seal against the entrance of water, fruit and vegetable juices to the bearing.
- Juice Resistant - This grease is compatible with and maintains its consistency in the presence of beverages and food juices.
- Multipurpose Properties - This grease has all those properties necessary in a lubricant to make it "multipurpose" for varied services within a plant. This helps simplify lubrication maintenance and aids in reducing inventories.

- Anti-Oxidation Stability - This grease is manufactured with white mineral oil and contains an FDA approved anti-oxidant which gives the grease high stability against chemical changes.
- Mechanical Stability - This grease is shear stable and maintains its consistency when severely worked in the bearing.
- Protects the User - Extreme care is taken throughout the manufacture of this grease to protect its purity. If any incidental contact occurs, the grease will not affect the colour, odour or taste of the food product. The grease is packaged in food-grade containers.

Directions

Wynn's Food Machinery Grease can be used for all grease applications in food processing plants. This high-load carrying EP multipurpose grease offers the safety and convenience of serving all grease points in the plant with one grease.

Wynn's Food Machinery Grease is for use wherever food and food products may be subjected to incidental contact with the lubricant. The FDA regulation requires that food handling equipment be operated with good manufacturing practices to keep the amount of lubricant in the food below 10 parts per million.

Wynn's Food Machinery Grease can reduce inventory in food processing plants since it is recommended for service in equipment not handling food or where incidental contact with food may occur. This too reduces any possibility of the incorrect grease being used in food manufacturing equipment.

Wynn's Food Machinery Grease is suitable for plain and anti-friction bearings, slides, guides and other moving parts. It is recommended for service down to -25°C and up to 190°C.

Approval

Approved (Certificate IOA No. 0950) by the Australian Quarantine & Inspection Service (AQIS) of the Department of Primary Industries and Energy under the category 10 for use as Lubricant Type A, in pursuance of order 128 of the Commonwealth of Australia Export Control Act 1982 Prescribed Goods (General) Orders for use in registered establishments.

Typical Characteristics

PROPERTY	TEST METHOD	TYPICAL
NLGI Grade	-	No. 2
Colour	-	White
Texture	-	Thick Smooth
Thickener Type	-	Aluminium Complex Soap
Penetration at 25°C (mm/10) Unworked Worked, 60 Strokes Worked, 100,000 Strokes	ASTM D 217	275 272 287
Dropping Point (°C)	ASTM D 2265	232
Water Washout at 80°C (% loss)	ASTM D 1264	0.9
Oil Separation, 24 hours at 25°C (% mass)	ASTM D 1742	1.5
Oxidation Stability pressure drop at 100 hours (kPa)	ASTM D 3336	10
Rust Prevention (Rating)	ASTM D 1743	1,1,1
Timken OK Load (kg)	ASTM D 2509	20
Base Oil Viscosity at 40°C (cSt) at 100°C (cSt)	ASTM D 445	66 6.6
Operating Range (°C)	-	-25 to 190
Copper Strip Corrosion 3 hours @ 100°C	ASTM D 130	1a
Bearing Life 10,000 RPM at 121°C (hours)	ASTM D 1471	700

Compatibility

The following table gives the compatibility of Wynn's Food Machinery Grease (with its aluminium complex soap thickener) with other greases.

Thickener	Aluminium Complex	Barium Complex	Calcium Simple	Calcium Sulphonate Complex	Bentonite Clay	Lithium Simple	Lithium Complex	Polyurea	Sodium
Aluminium Complex	C	I	I	I	I	B	B	B	I
Barium Complex	I	C	I	I	I	I	I	I	I
Calcium Simple	I	I	C	C	I	C	C	C	I
Calcium Sulphonate Complex	I	I	C	C	I	B	B	B	I
Bentonite Clay	I	I	I	I	C	I	I	I	I
Lithium Simple	B	I	C	B	I	C	C	B	B
Lithium Complex	B	I	C	B	I	C	C	B	B
Polyurea	B	I	C	B	I	B	B	C	I
Sodium	I	I	I	I	I	B	B	I	C

- I: Incompatible.
 C: Compatible.
 B: Borderline, sample should be checked.*

* It is always good industry practice not to mix different brands of greases, and to clean or purge previous greased lubrication systems.