



LA 182 FOOD GRADE GREASE

NLGI 2



DESCRIPTION

A member of the technologically advanced greases for food machinery maintenance applications meeting the United States Food and Drug Administration (FDA) and United States Department of Agriculture (USDA) Type H-1 and NSF approval for incidental food contact with edible products and/or around food processing areas.

LA 182 is an extremely versatile lubricant developed to serve all food industry requirements where a single lubricant is desired to eliminate downtime, extend greasing periods and reduce inventories.

PURITY STANDARDS

LA 182 is an NLGI 2 grease composed entirely of ingredients which meet the requirements of CFR Section 178.3570: Incidental Contact Lubricants of the U.S. Food and Drug Administration. It has been ruled acceptable by the U.S. Department of Agriculture for the processing machinery in federally inspected meat and poultry processing plants and the Commonwealth of Australia Export Control Act 1982 for use in export registered meat establishments.

CULTURAL COMPLIANCE

LA 182 meets compliance for Kosher and Halal requirements and sensitivities in food establishments and production.

FEATURES

- Made from high purity inert PARA-SYN base oil.
- Will stand up in acid and base conditions and active tomato acids.
- Resists pounding out around sliding and rubbing surfaces.
- Performs in extreme cold and/or hot conditions.

- Does not soften or separate in storage.
- Formulated for enhanced resistance to water washout.
- Compliant with NSF-H1 requirements for food safety and use.
- Excellent corrosion and rust prevention which is inherent in the thickener, no added inhibitors.

Designed to lubricate machinery and equipment used in producing, manufacturing, packaging, processing, preparing, treating, transporting or holding food, especially where incidental contact with food may occur in mixing, stirring, baking, frying, cooking, cleansing, packaging, canning and bottling.

LA 182 Food Machinery grease is recommended for bearings and general grease lubrication where processing temperatures are well below zero, especially for refrigerated food and beverage industries. This lubricant performs at temperatures down to -18°C for extended periods.

FEATURES	ADVANTAGES AND OPERATIONAL BENEFITS
Less Downtime	Extended Machinery Life
Lower Operational Maintenance Cost	Reduced Repairs and Downtime
Less Lubricant Consumption	Extended Greasing Intervals

APPLICATION

Suitable applications for LA 182 are blenders, sifters, wrappers, meat packers, dairies, bottle and canning lines, molders, carbonators, labelers, crowners, extractors, knives and saws.

LA 182 H-1 FOOD GRADE PARA-SYN GREASE

TYPICAL TEST	ASTM METHOD	LA 182
NLGI Grade		2
Type		Calcium Sulfonate
Appearance		Cream/Smooth
Penetration, worked @ 25°C, after 60 strokes	D.217	275 - 285
Mechanical Stability, 10,000 strokes, % change	D.217	-1.0
Dropping Point, °C	D.2265	318 °
Water washout at 80°C, % lost	D.1264	0.5
Evaporation Loss, % @ 175°C	D.972	0.6
Bomb Oxidation, psi drop, 1,000 hours +	D.942	6.0
Copper Corrosion Test	D.4048	1B
Timken OK Load, Kg	D.2509	30
4-Ball EP, Weld, Kg/f LWI, Kg/f	D.2596 D.2596	500 min 62
4-Ball Wear Scar, mm	D.2266	0.45
Roll Stability, 50% water, % change in penetration	D.1831	2.1
Rust Test	D.1743	Pass
Temperature Range – Direct Thermal Heat	D.128	-18°C to >285°C
Oil Separation, % loss	D.1742	0.1
Wheel Bearing leakage, grams	D.4290	1.0
Bearing Life Performance, hours	D.3527	180
Salt Fog Corrosion, 1 mil d.f.t, hours	B.117	>300
Base Oil, cSt @ 40°C cSt @ 100°C	D.445 D.445	230 24