

FG ALX HTXX-2 150, 220, 460 HD (Food Grade Grease)

DESCRIPTION:

FG ALX HTXX-2 HD grease is designed for use in a variety of industrial applications for incidental food contact. These grease is formulated using nontoxic ingredients and food grade additives with high viscosity synthetic base oil combination of polymer with powerful balanced blend of Aluminum- Complex gives high protection by minimizing metal-to-metal contact and reduces friction. It contains premium additives with small dosage of synthetic (PAO) ester additive, special white solid lubricants Mox-Active a German technology improvement friction modifier additive which creates a passive film on friction surfaces before friction occurs, optimum wear protection and an extremely low coefficient of friction even under extreme pressures, vibrations under high shock loads. These greases provide extended lubrication, increase equipment wear life, reduce energy consumption, maintenance costs, downtime. Excellent flow and pump-ability for automatic centralized and Individualized systems. It is ideally suited for lubrication of bearings operating under low to medium speeds under low to medium loads and exposed to extreme temperatures. All of this turn reduces maintenance cost and extend the life of equipment and friction elements avoiding seizure & expensive repairs.

FG ALX HTXX-2 HD Industrial Lubricant is extremely versatile, minimizing inventory requirements and misapplication because it works in many different applications. It is especially effective in severe operations caused by moisture or high temperatures. Its robust Aluminum complex formulation seals out water and other contaminants that can wreak havoc on the long-term life of equipment. **FG ALX HTXX-2 HD** industrial lubricant protects against oxidation, rust and corrosion, and its exceptional wear reduction has led LE customers worldwide to redefine “normal” or “expected” equipment life. With longer bearing life, fewer repairs, less downtime and lower lubricant consumption, switching to **FG ALX HTXX-2 HD** has helped many companies lower their maintenance costs.

APPLICATIONS

FG ALX HTXX-2 HD greases are recommended for the lubrication of food and beverage processing machinery operating under severe conditions such as Food Industries loaded gears & bearings, seamers, filling machines, Breweries, Pharmaceutical manufacturing machinery, Cold Storage Units, Bearings, Chains, Slideway, Taps, Gearboxes, Joints Springs, Cams Rollers, Conveyors, Centralized lubrication systems.

PROPRIETARY ADDITIVES

Proprietary additives are used exclusively in **Powermaxx** lubricants. **FG ALX HTXX-2 HD** grease contains synthetic (PAO) ester additive, special white solid lubricants Mox-Active a German technology improvement solid wear reducing additive is able to withstand extremely heavy loads, chemical attack and temperatures up to 1,038°C (1,900°F). It is attracted to metal surfaces, forming a microscopic layer but not building on itself or affecting clearances. Mox-Active minimizes metal-to-metal contact and the resulting friction, heat and wear.

Available Grades

- NLGI: 2
- NLGI: 1-1/2

FEATURES /BENEFITS (Beneficial Qualities)

Reduces Wear

- Thermally stable, can withstand high shock loads, and minimizing metal to metal contact.
- Reduces friction, high protection against heat, seizure and wear, avoiding expensive repairs.
- Seals out dirt and other contaminants, Protects against welding and scoring
- Adheres to metal surfaces even at high speeds, has a Timken OK load of 45 lb (20.4 kg)

Protects from Moisture

- Good water, heat resistance and are not affected by mild acids / alkalis.
- Good rust and corrosion protection and oxidation stability with high drop point.
- Seals out water, will not emulsify or wash out when moisture is present

Withstands Heat & Cold

- Retains consistency and lubricating qualities over broad range of operating temps and conditions
- Good low temperature pump ability, Good wear protection and long lasting lubrication.
- You can work with your breaker for long, continuous periods, even in warmer climates.
- Exhibits excellent reversibility characteristics and won't bleed or cake when it cools
- Performs beyond limits of ordinary greases because of its oxidation resistance
- Has high drop point of 260°C (500°F)
- Ensures extended operating service temperature range upto -40°C to 180°C.
- Maintains excellent pumpability and lubricating characteristics at temps down to -30°C (-22°F)

Provides Extended Service

- Retains soft body and plasticity much longer than ordinary greases
- Requires less lubricant consumption, Immediate monetary savings
- Extends bearings life and gives longer relubrication intervals.

PROPERTIES

SPECIFICATIONS	FG ALX HTXX-2 150	FG ALX HTXX-2 220	FG ALX HTXX-2 460
NLGI Grade available	1, 1.5, 2	1, 1.5, 2	1, 1.5, 2
Colour & Appearance	Off-White, Smooth & buttery		
Thickener Soap	Aluminum-Complex		
Proprietary additives	PAO Ester, Mox-Active EP & AW additives		
Base Oil Type	Synergistic Base Oil, White synergistic / polymers		
Base Oil viscosity @ 40°C, Cst	150	220	460
Work Penetration	265-295	265-295	265-295
Penetration change after 100000 strokes, max	20-25	20-25	20-25
Drop Point	+260	+260	+260
Copper strip corrosion	1a	1a	1a
Corrosion Prevention DI H2O,	Pass	Pass	Pass
Rust prevention	pass	pass	pass
Oxidation drop in psi @ 1,00 hrs	0.4 - 0.5	0.4 - 0.5	0.4 - 0.5
Oxidation drop in psi @ 1,000 hrs	1.2 - 1.5	1.2 - 1.5	1.2 - 1.5
Wheel Bearing Leakage gram loss,	1.4 to 3.1 max	1.4 to 3.1 max	1.4 to 3.1 max
Heat Stability @ 100°C, 30 hrs, % loss	4-5	4-5	4-5
Water Washout % loss	1.5 to 3.0 max	1.5 to 3.0 max	1.5 to 3.0 max
Timken OK Load lbs	45	45	45
4-Ball Weld Load in kgs	+400	+400	+500
4-Ball Weld wear scar test	0.5	0.5	0.5

POWERMAXX LUBE INDIA

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