



Lithiplex™

Advanced Performance Lithium Complex Grease

NLGI #2

Heavy duty EP lithium complex grease specifically formulated for construction and heavy industrial equipment.

Provides superior protection against heavy loads, contaminants, heat and high speeds.

**PRODUCT OF CHOICE FOR
ALMOST EVERY APPLICATION**

Provides Superior Equipment Protection for:

- Industrial Manufacturing
- Commonwealth, State & Local Government departments
- Steel Mills & Foundries
- Paper Mills, Printing, & Packaging
- Construction, Mining, Agriculture
- Excavation & Demolition
- Utility Construction
- Concrete & Asphalt Paving



-  **Tacky Formulation Stays in Place to Prevent Wear Under Heavy-Load Conditions**
-  **Resists Thickening at Low Temperatures**
-  **Minimises Abrasive Wear Caused by Dirt and Dust**
-  **Superior Water Resistance**
-  **Prevents Rust and Corrosion**
-  **Multi-Purpose Formulation Reduces Inventory to Save Money**
-  **Excellent High Temperature Performance - remains effective to 185°C intermittent.**

Lithiplex Meets or Exceeds these Performance Requirements:

- US Steel Mill Specifications:
 - Roll Neck Grease, Req. No. 340
 - Extreme Pressure Grease Req. No. 350
 - Extra Duty EP Grease. Req.t No. 352
 - Extreme-Temperature Req. No. 355, 370 & 372
 - Ball and Roller Bearing Grease, Req. No. 371
 - Mill Utility Grease Req.t No. 375
- NLGI #2 Requirements for a lithium based grease
Allis-Chalmers, AMCA International, CMI, John Deere, Euclid, Gomaco, Gradall, Hitachi, Kawasaki, Komatsu, Kobelco, Kubota, Link-Belt, Manitowoc, Mitsubishi, Terex, Vermeer, Volvo

USDA H2



Certified Laboratories

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Email: support@certifiedindia.com, www.certifiedlabs.in (Consult the product label before usage)

LITHIPLIX contains a total additive package for outstanding long-term performance.

Additives	User Benefits
Premium Grade Base Oil	Superior grade, highly-refined base oil resists oxidation and high-temperature breakdown to maintain better lubricity.
Lithium Complex Base	Excellent general purpose base which also performs well in high temperature or wet conditions.
Rust and Corrosion Inhibitors	Block out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.
Extreme Pressure (EP) Agents	Heat seeking additive which increases the ability of the lubricant to prevent the extreme wear that can occur under loads.
Anti-Wear Agents	Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Friction Reducers	Plates out on metal surfaces to prevent friction and wear under heavy loads.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Shock Load Reducers	Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.

PHYSICAL PROPERTIES

<u>TEST</u>	<u>ASTM Method</u>	
Colour	-	Blue
Soap Type	-	Lithium complex
NLGI Grade	-	2
Penetration at 25°C - unworked	D217	270
Penetration at 25°C - worked, 60 strokes	D217	275
Texture	-	Smooth, Tacky
Dropping Point	D2265	260+ °C
Rust Test Rating - modified sea water	D1743	Pass
Oil Separation - 24 Hours @ 25°C	D1742	0.2%
Wheel Bearing Leakage - 163°C	D1263	1.5g
4 Ball Weld, kgf	D2596	450
4 Ball Wear	D2266	0.43mm (max)
Roll Stability - penetration change	D1831	10%
Timken Load (kg)	D2509	23
Copper Corrosion	D130	1B
Water washout at 80 °C	D1264	3.5%
Base Oil Viscosity at 40°C	D445	190 cSt
Base Oil Viscosity at 100°C	D445	18.5 cSt

Ideal for use on: wheel bearings, trucks, trailers, electric motor bearings, automotive chassis points, and various equipment under shock loads that require a lithium grease.



Quality
Endorsed
Company

AS/NZS ISO 9001:2000

