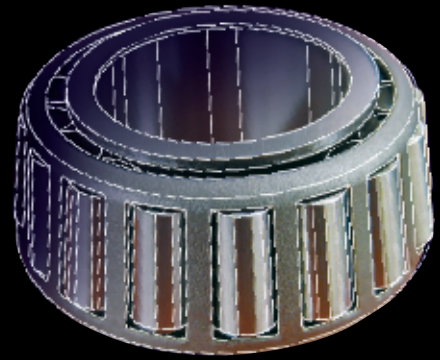


# The Ultimate Protection Against Metal-To-Metal Wear

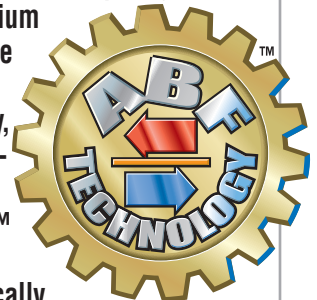


LITHI-SHIELD™



## Setting The Standards In Anti-Wear & Extreme Pressure Through ABF Technology

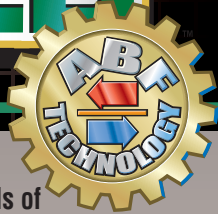
LITHI-SHIELD™ is the ultimate in extreme pressure anti-wear lithium complex grease. It exceeds all other lithium complex greases due to the addition of ABF (Advanced Boundary Film) Technology, extreme pressure and anti-friction additives added to its formula. LITHI-SHIELD™ treats, seals and smooths metal surfaces to dramatically reduce friction, as well as friction related heat and wear. LITHI-SHIELD's™ unique formulation allows it to exceed the performance of other greases while using smaller quantities. In fact, LITHI-SHIELD™ exhibits great oxidation resistance, over twice that of its nearest competitor.



### ATTRIBUTES

- Provides Maximum Protection Against Wear And Extreme Pressure
- Adheres To Metal Exhibiting Top Performance In Roll Stability
- Provides Constant Lubrication To All Areas
- Offers The Maximum In Friction Reduction
- Resists Water Washout

# LITHI-SHIELD™



Steel Shield Technologies' mechanism of operation is based upon advanced methods of Tribology that improve lubricity and load carrying capacity. This, in turn, improves surface characteristics while simultaneously creating a stable chemical Advanced Boundary Film on the contacting metal surfaces of whatever equipment in which it is added. The process of Advanced Boundary Film formation is achieved through a unique combination of long-chain halogenated hydrocarbons and other proprietary additives that are highly stable and non-corrosive to the equipment's metal parts, and pose no threat to the environment or waste oil recovery systems. Steel Shield reacts chemically, under thermal conditions with the contacting metal surfaces, to form a complex surface-attaching film of protection. Steel Shield's characteristics are "electro-negative", which causes it to seek out and affix itself to the metallic surface areas. During this process, surface smoothing is accomplished, resulting in improved spread characteristics of the surfaces themselves. The final state of the opposing metal surfaces increases the fluid film strength even more, resulting in greatly reduced wear while imparting extreme pressure (EP) properties to the opposing metal surfaces. The result is a virtual elimination of frictional wear and significant cooling of the entire lubricated area yielding higher energy savings and reduced metallic debris and acids in the oil. This is extensively proven through elemental oil analysis and Ferrography of the used oil, before and after the use of Steel Shield's Advanced Boundary Film Technology.

## PRODUCT SPECIFICATIONS

- NLGI Grade..... No. 2
- Color..... Light Amber
- Thickener Type ..... Lithium Complex
- Anti-Wear Metal Treatment... Steel Shield EPA

## ASTM TESTS

D-2265	Dropping Point	556°F
D-2266	4-Ball Wear Test	0.66mm
D-2596	4-Ball Weld Test	800 Kg/Pass
D-2509	Timken OK Load-Lbs	60
D-5483	Oxidation Resistance	
	Induction Time at 210°C, min	11.47
D-1264	Water Washout @79°C	2.7%

## RECOMMENDED USES

- All Extreme Pressure Applications
- Universal Joints
- Rotating Machinery
- Heavy Equipment
- Railroad Equipment
- Mining Equipment
- Boat Trailers And Marine Applications
- Conveyors
- Bearings
- Chassis Fittings
- Pumps
- CV Joints
- Axles

ITEM NUMBER	ITEM UPC#	ITEM DESCRIPTION	CASE PACK	CASE DIMENSIONS	CASE CUBE	CASE WEIGHT	TI/HI
LS-T	8-94630-00181-6	Lithi-Shield Lithium Complex Grease - 2 oz. Tub	24	9.25" w x 4.75" d x 6.5" h	0.16	1.9	40/8
LS-C	8-94630-00182-3	Lithi-Shield Lithium Complex Grease - 14 oz. Crtg	40	12" w x 19.5" d x 10.75" h	1.45	42.0	6/5
LS-LB	8-94630-00183-0	Lithi-Shield Lithium Complex Grease - 1 lb Tub	12	13.5" w x 3.5" d x 6.25" h	0.17	15.2	36/8
LS-5LB	8-94630-00184-7	Lithi-Shield Lithium Complex Grease - 5 lb Tub	4	14.125" w x 9.5" d x 6.75" h	0.53	23.4	12/8
LS-P	8-94630-00185-4	Lithi-Shield Lithium Complex Grease - 35 lb Pail	1			38.0	
LS-K	8-94630-00186-1	Lithi-Shield Lithium Complex Grease - 120 lb Keg	1			132.0	
LS-D	8-94630-00187-8	Lithi-Shield Lithium Complex Grease - 400 lb Drum	1			437.0	



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