

## LI400 Series: Extreme Multi-purpose Grease

### Description

The LI400 series greases are lithium complex thickened greases that represent the most advanced lubricating technology. They are formulated for conditions of extreme pressure and high temperatures but are also ideal for general purpose applications. To increase the adhesiveness and film strength of the LI400 series, they are manufactured with state of the art polymers. They also incorporate specially selected mineral oils, extreme pressure, anti-wear, rust and corrosion additives that give them the performance properties to properly lubricate today's modern equipment.

### Applications

Heavy industrial applications subject to high heat, loads, shear, and water conditions.

Ideal for applications where shock loading is present and the grease must resist "Squeeze Out".

Mining / Construction applications of hitch pins, shackle pins, bushings, kingpins on buckets, excavators, shovels, and loaders. Slack Adjuster for over the road trucks.

### Advantages:

Multi-Purpose / High Temperature / Performance, Excellent Water Resistance, Very Shear Stable , Extreme Pressure / Anti-Wear / Corrosion Protection, Polymer Fortified for Maximum Film Strength in Shock Loaded Applications, Tacky for Stay Put Performance / Will not Squeeze Out

PROPERTY	VALUE		UNITS	METHOD
Product Name	LI400	LI400		
Product Code	300160501000	300160502000		
NLGI Grade	1	2		
Thickener	Lithium Complex	Lithium Complex		
Texture	Tacky	Tacky		
Color	Off-White	Off-White		
Penetration, Worked	323	275	0.1 mm	ASTM D 217
Work Stability, 10K	+9	+10	% Change	ASTM D 217
Dropping Point	500+ (260)	500+ (260)	°F (°C)	ASTM D 2265
Oxidation, 100hrs	7	7	psi Drop	ASTM D 942
Water Washout @175°F	5	3	%	ASTM D 1264
Rust Test Rating	Pass	Pass	Pass / Fail	ASTM D 1743
Roll Stability	+9	+10	%	ASTM D 1831
4-Ball Wear	0.38	0.38	mm	ASTM D 2266
4-Ball Weld	400	400	kgf	ASTM D 2596
4-Ball LWI	45	45	kgf	ASTM D 2596
Timken OK Load	60	60	lbs	ASTM D 2509
Base Oil Characteristics				
Viscosity @ 100°C	15.2	15.2	cSt	ASTM D 445
Viscosity @ 40°C	196	196	cSt	ASTM D 445
Viscosity Index	64	71		ASTM D 2270
Flash Point	436 (224)	436 (224)	°F (°C)	ASTM D 92
Pour Point	-10 (-23)	-10 (-23)	°F (°C)	ASTM D 97