



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362  
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# PRODUCT DATA SHEET

## LITH EP GREASES

### PRODUCT DESCRIPTION

**Hi-Tec Lith EP Greases** possess excellent lubrication characteristics. They are recommended for bearing lubrication under normal or severely loaded service conditions. The NLGI semi fluid grades No. 00 and No. 0, are recommended for “self leveling” applications or once through, centralised automatic or semi automatic lubrication systems. The heavier NLGI No. 1 and No. 2 grades, which have a somewhat buttery appearance with a slightly stringy texture, are recommended for automotive, marine and industrial applications.

**Hi-Tec Lith EP Greases** are manufactured with Lithium 12-hydroxy stearate thickener and selected paraffinic and naphthenic base oils combined with rust, oxidation, and corrosion inhibitors, and extreme pressure additives.

### CHARACTERISTICS OF HI-TEC LITH EP GREASES

- \* **MULTI-PURPOSE GREASES:** for high and low temperature applications. Protect all moving parts from shock loadings, prevent scuffing and wear due to their excellent shear stability, high load bearing and extreme pressure characteristics.
- \* **WATER RESISTANCE:** water washout is minimal so that they provide optimum lubrication under wet or damp conditions.
- \* **BEARING AND BALL JOINT LIFE EXTENDED:** because of the high level of extreme pressure activity.
- \* **HIGH SHEAR STABILITY:** ensuring long service particularly in sealed anti-friction bearings. The excellent resistance to mechanical shear combined with high film strength help to maintain grease consistency for extended lubrication service.
- \* **OXIDATION INHIBITED:** assuring long service life.
- \* **RUST AND CORROSION INHIBITED:** The inhibitors protect all metal components promoting effective lubrication under corrosive or rust prone situations.

### APPLICATIONS

**INDUSTRIAL AND GENERAL - Hi-Tec Lith EP Greases** are recommended for ball, roller, needle and slow speed plain bearings operating under all service conditions up to approximately 130°C. They have excellent service record under high load and/or shock load service conditions.

**AUTOMOTIVE - Hi-Tec Lith EP Greases** are recommended for chassis, universal joints and wheel bearings particularly those in vehicles fitted with disc brakes, where high temperatures cause ordinary grease to soften and give ineffective lubrication. For service in cars, trucks, tractors, trailers etc. For more severe high temperatures consider using **Hi-Tec Lithplex Tac Grease**.



AUSTRALIAN FAMILY OWNED SINCE 1989





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## TYPICAL PROPERTIES

Description		ASTM Method	LITH EP GREASE			
			00	0	1	2
NLGI Grade		-	00	0	1	2
Item Code		-	1002	1001	1016	1003
Worked Penetration @ 25°C	dmm	ASTM D 217	415	370	325	280
Drop Point	°C	ASTM D 2265	180	190	190	190
Water Washout	%	ASTM D 1264	10	7	6	4
Timken Load	lbs	ASTM D 2509	45	45	45	45
4-Ball LWI		ASTM D 2596	50	50	50	50
4-Ball Weld	kg	ASTM D 2596	250	250	250	250
4-Ball Wear Scar	mm	ASTM D 2266	0.4	0.4	0.4	0.4
Rust Test		ASTM D 1743	No Rust	No Rust	No Rust	No Rust
Base Oil Visc @ 40°C	cSt	ASTM D 445	157	177	178	182
Max Usable Temp	°C	-	130	130	130	130

**PACK SIZES:** 450g cartridges, 500g tubs, 20Kg pails, 55Kg drums, 175/180 Kg drums

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au). Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner. Our product warranty and product quality statement can be viewed at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)"

**Effective:** Mar 2014

**Expires:** Mar 2016

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