



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. 000, No. 00 and No. 0, are recommended for “self-levelling” 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 140°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**.

Hi-Tec suggests that the equipment manufacturers' recommendations for grade, performance requirements and general operating conditions should be checked prior to use.



AUSTRALIAN FAMILY OWNED SINCE 1989





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TYPICAL PROPERTIES

Description	Method	Typical Results				
		1017	1002	1001	1016	1003
Item Code (HI7-)	-	1017	1002	1001	1016	1003
NLGI Grade	-	000	00	0	1	2
Appearance	-	Smooth Semi Fluid Grease			Smooth Grease	
Colour	-	Light Brown				
Thickener	-	Lithium Soap				
Base Oil	-	Blended Mineral Oils				
Worked Penetration	IP50	445-475	400-430	355-385	310-340	265-295
Drop Point (°C)	IP132	NA	NA	185 min	185 min	185 min
Oil Separation %	IP121	<5	NA	<5	<7	5 max
Copper Corrosion	IP112	Pass				
Resistance to Corrosion Emcor (a)	IP220	0:0				
Water Washout 39 °C	ASTM D1264	<3	NA	<3	<5	3
4-Ball Weld Load (kg)	IP239	315				
Operating Temperature Range °C	-	-20 - 140	-20 - 110	-20 - 140	-20 - 140	-20 - 140

Available in: Bulk 180kg, 55kg, 20kg, 2.5kg, 0.5kg, 450g cartridges and 400g cartridges

"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. 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"

Effective: October 2017

Expires: October 2019

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