



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

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PRODUCT DATA SHEET

LITHPLEX TAC EP2 GREASE

DESCRIPTION

Hi-Tec LITHPLEX TAC EP2 GREASE is superior multi-purpose grease possessing excellent lubrication characteristics for a wide range of anti-friction and plain bearings, gears and couplings in automotive, marine, agricultural and industrial application. The extreme pressure and anti-wear properties enables the grease to give long service life under high loading and shock loading conditions from low temperature to very high temperature environments. These special characteristics of shear stability, combined with the inclusion of effective rust, oxidation and corrosion inhibitors, and tackiness adhesive additives, ensure this grease is the preferred recommendation for sealed for life anti-friction bearings.

CHARACTERISTICS

FUNCTIONAL MULTI-PURPOSE grease for low and high temperatures. It has an operating temperature range of -15°C to 170°C , but has shown that it provides lubricating protection even for intermittent operation up to 200°C . Its ability to prevent scuffing and reduce wear under high load and shock load conditions, together with its excellent resistance to shear and high temperature operation, makes it preferred over other multi-purpose greases.

SEALED FOR LIFE BEARINGS have assured long service life due to the exceptional oxidation, rust and corrosion resistance of **Hi-Tec LITHPLEX TAC EP2 GREASE**. With extended service, it maintains its original consistency. It will not thicken since it resists oxidation. It will not thin out because it is shear resistant.

WATER RESISTANCE: Where water contamination or the water wash out contaminating influences cannot be avoided, even at elevated temperatures, effective lubrication is maintained because of the excellent resistance of **Hi-Tec LITHPLEX TAC EP2 GREASE** to water wash out. In these situations it also gives protection against rusting and corrosion.

ADHESIVE AND COHESIVE: **Hi-Tec LITHPLEX TAC EP2 GREASE** resists "Squeeze Out" from surfaces requiring lubrication under load conditions.

ENVIRONMENTALLY FRIENDLY: **Hi-Tec LITHPLEX TAC EP2 GREASE** is free from lead, chlorine, nitrite, and aromatic extract



AUSTRALIAN FAMILY OWNED SINCE 1989





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RECOMMENDATIONS

Hi-Tec LITHPLEX TAC EP2 GREASE is the prime recommendation for use in applications where high thermal resistance is required. These applications include industrial, automotive, earthmoving and marine applications such as wheel bearings, chassis, boat trailer wheel bearings and other applications requiring grease lubrication. Prime choice for electric motors. It is recommended for ball joints which demand characteristics will ensure minimum wear and minimum torque with complete protection against rust.

PHYSICAL CHARACTERISTICS

TYPICAL TESTS

<u>TYPICAL TESTS</u>	<u>ASTM METHOD</u>	<u>LITHPLEX TAC EP2</u>
NLGI Grade	-	2
Soap Type	-	Lithium Complex
Colour	-	Blue
Texture	-	Smooth, Tacky
Penetration @ 25°C - Unworked	D.217	270
Worked, 60 Strokes	D.217	275
Dropping Point, °C	D.2265	275°C
Roll Stability, Penetration Change %	D.1831	+10
Leakage, Wheel Bearing 65g - Packed, @163°C, g	D.1263	1.5
Water Washout @ 80°C, %	D.1264	3.5
Oil Separation 24 Hours @ 25°C kPa	D.1742	2
Rust Prevention Rating	D.1743	Pass
Timken, OK Load, Kg	D.2509	23
4-Ball Weld, Kg/f	D.2596	400
4-Ball Wear Scar, mm	D.2266	0.43
Base Oil, cSt @ 40°C	D.445	220
@ 100°C	D.445	18.5

"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"

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