



## PRODUCT INFORMATION SHEET

### WYNN'S HI-TEMP BEARING GREASE

Product Number: 50220 20 kg 50245 20 X 450g 50280 180kg

WYNN'S HI-TEMP BEARING GREASE is a premium lithium complex soap thickened grease of N.L.G.I. Grade No. 2 consistency, formulated to outperform ordinary No. 2 greases in all bearing applications, particularly in the heavily loaded, extreme pressure and high wear conditions found in Australia.

Wynn's Hi-Temp Bearing Grease provides superior properties for bearing lubrication applications over a broad operating temperature range. It is one of the finest and most stable extreme pressure anti-wear greases available.

#### Advantages

Wynn's Hi-Temp Bearing Grease is scientifically fortified with Wynn's Friction Proofing, to provide the following advantages:

- Overcomes high frictional loads, wear and subsequent bearing failure by treating the bearing surface with a package of unique extreme pressure compounds.
- Reduces bearing temperatures, thereby promoting longer bearing life and extending re-greasing intervals due to reduced grease oxidation.
- High moisture and corrosion resistance due to the stable lithium complex soap base, combined with a unique oxidation/corrosion inhibitor package.

#### Benefits

Wynn's Hi-Temp Bearing Grease is formulated for extreme-pressure and wear protection, and to provide the following benefits:

- Reduces friction and wear between moving metal surfaces including bearings.
- Lubricates bearings at high operating temperatures.

- Provides longer greases intervals.
- Reduces bearing operating temperatures.
- Exhibits high extreme-pressure and anti-wear properties.
- Resists water washout and bearing channelling.
- Increases wheel and journal bearing life.
- Allows multipurpose applications.
- Prevents scuffing and galling.
- Reduces the formation of high temperature deposits.
- Provides high thermal stability.
- Extends grease life by reducing oxidation.

### Applications

Wynn's Hi-Temp Bearing Grease meets the lubrication requirements of a wide variety of applications that call for a high quality N.L.G.I. Grade No. 2 grease.

- Industrial and automotive bearings.
- Grease lubricated journal bearings.
- Wheel bearings and hubs.
- Flexible gear couplings.
- Ball and universal joints.
- Shackles and torsion bars.
- Oscillating bucket pins.
- Lubrication of chassis components.
- Clutch bearings and drive line bearings.
- Cams, ways and sliding elements.
- Kingpins and bushes.

Wynn's Hi-Temp Bearing Grease is particularly suited to industry and fleet applications, and to agriculture, mining and marine industries.

Wynn's Hi-Temp Bearing Grease is compatible with most lithium complex soap thickened greases, however for best results, the removal of the old grease prior to filling is recommended.

When wheel bearings are packed for the first time with Wynn's Hi-Temp Bearing Grease, remove the old grease completely, wash the bearings with a suitable solvent, and dry them thoroughly before repacking. Repack the wheel bearings in accordance to the recommendations by the National Lubricating Grease Institute (N.L.G.I.), for lubricating automotive and truck bearings. Follow the installation recommendations of the bearing manufacturers.

Apply Wynn's Hi-Temp Bearing Grease using commercially available grease dispensing equipment depending on the specific application.

### Typical Characteristics

PROPERTY	TEST METHOD	TYPICAL
<b>N.L.G.I. Grade</b>	-	No. 2
<b>Colour</b>	-	Green
<b>Texture</b>	-	Smooth/Tacky
<b>Thickener Type</b>	-	Lithium Complex Soap
<b>Penetration at 25°C (mm/10)</b>	<b>ASTM D 217</b>	
Unworked		270
Worked, 60 Strokes		271
Worked, 100,000 Strokes		284
<b>Dropping Point (°C)</b>	<b>ASTM D 2265</b>	260
<b>Roll Stability</b>	<b>ASTM D 1831</b>	
Penetration (Change %)		Nil
<b>Leakage, Wheel Bearing</b>	<b>ASTM D 1263</b>	
(90g Packed) Loss (g)		1.3
<b>Rust Prevention (Rating)</b>	<b>ASTM D 1743</b>	1,1,1
<b>4-Ball EP Test</b>	<b>ASTM D 2596</b>	
Weld Point (kg)		450
<b>Base Oil Viscosity</b>	<b>ASTM D 445</b>	
at 40°C (cSt)		245
at 100°C (cSt)		20.2
<b>Base Oil Viscosity Index</b>	<b>ASTM D 567</b>	96
<b>Base Oil Flash Point (°C)</b>	<b>ASTM D 92</b>	260
<b>Base Oil Pour Point (°C)</b>	<b>ASTM D 5895</b>	-9
<b>Operating Range (°C)</b>		-10 to 200
<b>Copper Strip Corrosion</b>	<b>ASTM D 130</b>	
3 hours @ 100°C		1b

## Compatibility

The following table gives the compatibility of Wynn's Hi-Temp Bearing Grease (with its lithium complex soap thickener) with other greases.

Thickener	Aluminium Complex	Barium Complex	Calcium Simple	Calcium Sulphonate Complex	Bentonite Clay	Lithium Simple	Lithium Complex	Polyurea	Sodium
Aluminium complex	C	I	I	I	I	B	B	B	I
Barium complex	I	C	I	I	I	I	I	I	I
Calcium Simple	I	I	C	C	I	C	C	C	I
Calcium Sulphonate Complex	I	I	C	C	I	B	B	B	I
Bentonite Clay	I	I	I	I	C	I	I	I	I
Lithium Simple	B	I	C	B	I	C	C	B	B
Lithium Complex	B	I	C	B	I	C	C	B	B
Polyurea	B	I	C	B	I	B	B	C	I
Sodium	I	I	I	I	I	B	B	I	C

I: Incompatible.

C: Compatible.

B: Borderline, sample should be checked.\*

\* It is always good industry practice not to mix different brands of greases, and to clean or purge previous greased lubrication systems.