PRODUCT INFORMATION SHEET

WYNN'S ULTRA-SUPREME GREASE

Product Number: 50520 20 kg 50525 6 x 2.5 kg 50545 20 x 450 g
50555 55 kg 50575 175 kg

WYNN'S ULTRA-SUPREME GREASE is a premium lithium soap thickened grease of NLGI Grade No. 2 consistency, formulated to outperform ordinary No. 2 greases in all applications particularly in the heavily loaded, extreme pressure and high wear conditions found in Australia.

Wynn's Ultra-Supreme Grease has good thermal stability, resistance to channelling and resistance to moisture and corrosion. It reduces operating temperatures, increases bearing life and extends re-greasing intervals.

Wynn's Ultra-Supreme Grease has the approval of AQIS of the Department of Primary Industries and Energy.

Advantages

Wynn's Ultra-Supreme 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 soap base, combined with a unique oxidation/corrosion inhibitor package.

Benefits

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

- Separates opposing metal surfaces to reduce wear.
- Provides stability over a wide temperature range.
- Displays extremely good water wash-out resistance.

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- Resists breakdown as a result of mechanical action.
- Meets the requirements of NLGI Grade No. 2.
- Prevents rust and corrosion of metallic components under humid and wet conditions.
- Extends grease life by reducing oxidation.
- Reduces the formation of high temperature deposits.
- Prevents operating temperatures under high load conditions.
- Prevents scuffing and galling.
- Allows longer intervals between greasing.
- Provides high extreme-pressure properties.
- Increases wheel and journal bearing life.
- Resists channelling.
- Provides high thermal stability.
- Allows multi purpose applications.

Applications

Wynn's Ultra-Supreme Grease meets the lubrication requirements of a wide variety of applications that call for a high quality NLGI 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 Ultra-Supreme Grease is particularly suited to industry and fleet applications including agriculture, mining and marine industries.

Wynn's Ultra-Supreme Grease is compatible with most lithium 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 Ultra-Supreme 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 (NLGI), for lubricating automotive and truck bearings.

Apply Wynn's Ultra-Supreme Grease using commercially available grease dispensing equipment depending on the specific application.

Approval

Approved (Certificate IOA No. 7307) by the Australian Quarantine & Inspection Service (AQIS) of the Department of Primary Industries and Energy under the category 12 for use as Lubricant Type C, in pursuance of order 128 of the Commonwealth of Australia Export Control Act 1982 Prescribed Goods (General) Orders for use in registered establishments.

ASTM D 4950 Specification

Wynn's Ultra-Supreme Grease meets the following Acceptance Limits in the LB/GB Specification (ASTM D 4950 Automotive Grease Standard) for certification by N.L.G.I.

Property	**ASTM Test Method**	**Result**	**Specification**
Penetration at 25°C (mm/10) worked, 60 strokes	D217	268	220-340
Dropping Point (°C)	D2265	195	175 min
4-Ball Wear at 75°C Scar (mm)	D2266	0.40	0.6 max
4-Ball EP Load Wear Index (kgf) Weld Point (kgf)	D2596	 70 385	 30 min 200 min
Oil Separation (% loss)	D1742	2.0	6 max
Rust Prevention (Rating)	D1743	1,1,1	Pass
Water Resistance at 80°C (% loss)	D1264	3.2	15 max

Typical Characteristics

PROPERTY	TEST METHOD	TYPICAL
NLGI Grade	-	No. 2
Colour	-	Ruby Red
Texture	-	Smooth
Thickener Type	-	Lithium Soap
Penetration at 25°C (mm/10)	**ASTM D 217**	
Unworked		270
Worked, 60 Strokes		268
Worked, 100,000 Stokes (Change %)		+ 10
Dropping Point (°C)	**ASTM D 2265**	195
Roll Stability	**ASTM D 1831**	
Penetration (Change %)		Nil
Leakage, Wheel Bearing	**ASTM D 1263**	
(65g Packed) at 163°C (g)		1.8
Water Washout at 80°C(% loss)	**ASTM D 1264**	3.2
Oil Separation, 24 hours	**ASTM D 1742**	
at 25°C (% mass)		2.0
Oxidation Stability	**ASTM D 3336**	
Pressure drop at 100 hours (kPa)		25
Rust Prevention (Rating)	**ASTM D 1743**	1,1,1
Timken OK Load (kg)	**ASTM D 2509**	25
4-Ball EP Test	**ASTM D 2596**	
Load Wear Index (kg)		70
Weld Point (kg)		385
4-Ball Wear Test (40 kg) 1 hour	**ASTM D 2266**	
1200 rpm @ 75°C, scar (mm)		0.40
Base Oil Viscosity	**ASTM D 445**	
at 40°C (cSt)		330
at 100°C (cSt)		22.7
Base Oil Viscosity Index	**ASTM D 567**	85
Base Oil Flash Point (°C)	**ASTM D 92**	260
Operating Range (°C)	**ASTM D 4950**	-20 to 160
Copper Strip Corrosion	**ASTM D 130**	
3 hours @ 100°C		1b

Compatibility

The following table gives the compatibility of Wynn's Ultra-Supreme Grease (with its lithium simple 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.