

## Spheerol LCX 6002

Super Lithium Complex Grease

### Description

Spheerol LCX 6002 is a super lithium complex grease of NLGI 2 consistency. It employs a unique combination of polymeric and EP additives to give the highest levels of extreme pressure wear resistance combined with outstanding water resistance and adhesion. The highly refined mineral base stock has a viscosity of 600 cSt at 40°C which gives excellent hydrodynamic protection in slow to medium speed / heavily loaded bearings and contributes to the exceptional water resistance of the product. The operating temperature range of Spheerol LCX 6002 is -20°C to +160°C.

### Application

Spheerol LCX 6002 excels in a wide range of demanding off-road applications including conveyors, chassis points, bucket pins, heavily loaded plain bearing in shovel loaders and other mining/construction equipment. It uses an advanced water handling additive technology that gives the product the ability to resist washout and water contamination in operation. The additive system used in Spheerol LCX 6002 also reacts with water and becomes tackier when used in wet conditions. This tends to keep the grease in NLGI grade even with water contamination up to ~ 20% by weight. Extensive field-testing shows that Spheerol LCX 6002 also has exceptional 'stay in place' performance in all environments.

### Advantages

- Ultimate EP protection contributes to extended bearing life and reduced maintenance down time.
- Outstanding water resistance maximises protection, reduces grease consumption and increases re-grease intervals particularly in off-road and construction applications.
- Excellent 'stay in place' performance means minimum re-greasing and equipment down time.
- Excellent oxidation resistance characteristics enable the product to operate for extended periods in a wide range of climates.

## Typical Characteristics

Name	Method	Units	Spheerol LCX 6002
Thickener Type	-	-	Lithium Complex
NLGI Classification	ASTM D217	-	2
Colour	Visual	-	Blue
Texture	Visual	-	Smooth/stringy
Drop point	ASTM D566	°C	280
Base Oil viscosity at 100°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	44.1
Base Oil viscosity at 40°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	600
Worked Penetration, 25°C / 60 strokes	ASTM D217	0.1 mm	265 - 295
Water spray-off	ASTM D4049	%	18
Rust prevention	ASTM D1743	-	Pass
Copper corrosion, 24h / 120°C	ASTM D1261	-	1b
4-Ball Weld Load	ASTM D2783	kg	500
Timken OK load	ASTM D2509	lbs	60
Wheel bearing life	ASTM D3527	hours	230

## Additional Information

All packages should be stored upright in a covered area, away from extreme climatic influences, dirt and dust.

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04 Sep 2015

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