



Spheerol LCX 222

Multi-purpose grease

Description

Castrol Spheerol™ LCX 222 is a premium lithium complex, extreme pressure grease intended for industrial or construction applications. Based on high quality mineral oils, Spheerol LCX grease is formulated to provide excellent high temperature performance with excellent adhesion, structural stability and resistance to water.

The grease has a high level of chemical stability and offer excellent protection against rust, corrosion and wear, especially on axles, rings and bearings. The operating temperature range is -20°C to + 140°C

Application

Spheerol LCX 222 is a NLGI 2 grade heavy duty grease, recommended for industrial bearings in severe applications and provide protection against:

- Shocks and vibrations
- Water washout, water ingress
- Corrosive environment, as in mill applications

Advantages

Spheerol LCX 222 offers the following benefits:

- Reduced downtime and maintenance costs because of high level of protection against wear, corrosion and oxidation combined with an exceptional degree of rust protection against acidic water.
- High anti-wear and extreme pressure performance to be suitable for a wide range of bearing speeds.
- Extended intervals between re-lubrication due to long product life even under severe operating conditions.
- Excellent resistance to water washout.

Typical Characteristics

Name	Method	Units	LCX 222
Base Oil	-	-	Mineral oil
Thickner Type	-	-	Lithium Complex
Consistency	ISO 2137 / ASTM D217	NLGI Grade	2
Appearance	Visual	-	Homogenous-tacky, light brown grease
Dropping Point	ISO 2176/ ASTM D566	°C/°F	>260/>500
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	200
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	265 - 295
Worked Penetration (100,000 strokes @ 25°C / 77°F) - change from 60 strokes	ISO 2137 / ASTM D217	0.1 mm	+25
Oil Separation (30 hrs @ 100°C / 212°F)	ASTM D6184	% wt	1.0
Water Wash Out	ISO 11009 / ASTM D1264	%wt loss	<5%
Rust Test - EMCOR (distilled water)	ISO 11007 / ASTM D6138	Rating	0/0
SKF R2FB test @140°C / 284°F	SKF test method	Pass	Pass
Water Spray-off	ASTM D4049	%wt loss	<20%
Copper Corrosion (24 hrs,120°C / 248°F)	ASTM D4048	Rating	1b
Oxidation Stability - Rotating Pressure Vessel test	ASTM D942	pressure drop psi	2.9
Timken OK Load	ASTM D2509	kg/lbs	20.4/45
Four Ball Wear test - Weld Load	DIN 51350-4A	N	2800
Roll Stability test - Shear Stability (50hrs, 80°C / 176°F)	ASTM D1831 (modified)	0.1 mm	<+50
SKF V2F test	SKF test method	Pass	Pass (0g/+26g)
SKF WBG test	SKF test method	Pass	Pass
Flow pressure @ - 20°C / -4°F	DIN 51805	mBar	19000
DIN Classification	DIN 51502	-	KP2N-20

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Subject to usual manufacturing tolerances.

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