



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 -15 to +150°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
NLGI Class	ISO 2137/ ASTM D217	-	2
Appearance	Visual	-	Homogenous-tacky, light brown grease
Dropping Point, Grease	ISO 2176/ ASTM D2265	°C	>260
Base oil kinematic viscosity at 40°C	ISO 3104/ ASTM D445	mm ² /s	200
Worked penetration at 25°C after 60 strokes, dmm	ISO 2137/ ASTM D217	0.1 mm	265 - 295
Change in worked penetration at 25°C after 100000 strokes, dmm	ISO 2137/ ASTM D217	0.1 mm	+25
Oil separation	ASTM D6184	% wt	1.0
Water Wash Out	ASTM D 1264	%	<5%
SKF Emcor corrosion test dist water	ISO 11007/ DIN 51802	-	0/0
SKF R2F-B test @140°C	DIN 51806	-	Pass
Water Spray Off, Grease Loss	ASTM D4049	% wt	<20%
Copper Corrosion, 24h / 120°C	ISO 2160/ ASTM D4048	-	1b
Oxidation Stability, 100h / 100°C	ASTM D942/ DIN 51808	bar	0.2
Timken OK - load	ASTM D2509	lbs	45
Four Ball EP test, weld load	ASTM D2783/ DIN 51350/4	N	2800
Shell Roll Stability 50h/80°C	ASTM D1831	-	<+50
SKF-V2F-test 500 & 1000 rpm	SKF	-	pass (0g/+26g)
SKF WBG test, vibrated	SKF	-	pass
Flow pressure: - 20°C	In house method	bar	19
DIN Classification	DIN 51502	-	KP2N-30

Subject to usual manufacturing tolerances.

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