



Product Data

Spheerol LC 2

Heavy Duty Grease

Description

Castol Spheerol™ LC 2 is a long-term heavy duty grease, based on lithium-calcium thickeners and mineral oil. Specially selected additives give an outstanding wearing protection, excellent corrosion prevention and long-term lubrication properties for many different areas of operation.

Application

Castrol Spheerol LC 2 is a design for lubricating highly stressed anti-friction bearings and heavy duty rollers running at slow or medium rotation speeds, under high loads and with occasional impact-type loads. Roller bearings will maintain their long-term lubrication performance even with excessive water contact. Spheerol LC 2 is particularly suited for lubrication of bearings contained in Wind Turbines.

Advantages

- Excellent water resistance – means the lubricating film is not washed off even in the presence of water.
- Outstanding anti-wear properties – protects equipment and helps minimise bearing wear.
- Superior mechanical stability – helps reduce product consumption in high volume applications.
- High dropping point – withstands breakdown in high temperature applications.
- Resists oxidation and prevents corrosive activity on bearings in aggressive process water environments.

Typical Characteristics

Name	Method	Units	Spheerol LC 2
Appearance	Visual	-	Amber
Thickener type	-	-	Lithium-calcium
Base oil	-	-	Mineral oil
Density @ 20°C / 68°F	ASTM D4052	kg/m ³	960
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	265-295
Dropping Point	ISO 2176 / ASTM D566	°C/°F	>175/>374
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	400
Base Oil Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	28
Copper Corrosion (24 hrs,100°C / 212°F)	ASTM D4048	Rating	1
Rust Test - EMCOR (distilled water)	ISO 11007 / ASTM D6138	Rating	0/0
Four Ball Wear test - Weld Load	DIN 51350-4A	N	3400
Water Resistance	DIN 51807-1	Rating	0
FE-9 Bearing Life test - A/1500/6000-130	DIN 51821-2	Pass	Pass
FE-8 Bearing Wear test	DIN 51819-2	roller wear (Mw 50) mg	<5
ISO Classification	ISO 6743/9	-	L-XBCEB 2
DIN Classification	DIN 51502	-	KP 2 K-20

Subject to usual manufacturing tolerances.

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12 Jul 2012

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