



Spheerol LC 2 NG

Heavy Duty Grease

Description

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

Application

Spheerol LC 2 NG has been designed 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 NG is particularly suited for lubrication of bearings contained in Wind Turbines.

Advantages

- Excellent water resistance – 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 NG
Colour	Visual	-	Amber
Thickner Type			Lithium-Calcium
Base Oil			Mineral
Density @ 20°C / 68°F	IP 530	g/cm ³	0.96
Dropping Point	ISO 2176 / ASTM D566	°C/°F	> 170/ > 338
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	26
Copper Corrosion (24 hrs,100°C / 212°F)	ASTM D4048	Rating	1
Rust Test - EMCOR (1% NaCl)	ISO 11007 / ASTM D6138	Rating	0/1
Roll Stability Test (50 hrs, 80°C); Delta worked penetration 60 Strokes at 25°C / 77°F)	ASTM D1831 mod.	0.1 mm	30
Water Resistance	DIN 51807-1	Rating	0
FE-9 Bearing Life test - B/1500/6000-130 ; F50	DIN 51821-2	h	>200
FE-8 Bearing Wear test roller wear C/75/80-RT (Mw 50)	DIN 51819-2	mg	<10
ISO Classification	ISO 6743/9	-	L-XBCIB 2
DIN Classification	DIN 51502	-	KP 2 K-20

Subject to usual manufacturing tolerances.

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