



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 (Mw50) | 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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