

Castrol Spheerol LC 2

Heavy Duty Grease

Description

Castrol 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.

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

Test	Method	Units	LC 2
Appearance, visual	-	-	Amber
Thickener Type	-	-	Lithium-calcium
Base Oil Type	-	-	Mineral oil
NLGI Grade	DIN 51818	-	2
Density, 20°C/68°F	ASTM D 1475	g/ml	0.96
Worked Penetration 60 strokes @ 25°C/77°F	ISO 2137 ASTM D217 DIN ISO 2137	0.1 mm	265 - 295
Dropping Point	ISO (DIN) 2176 ASTM D2265	°C/°F	>175 / >374
Base Oil Viscosity @ 40°C/104°F @ 100°C/212°F	ISO 3104 ASTM D 445 DIN 51562	mm ² /s	400 28
Copper Corrosion, 24 hrs, 100°C/212°F	ISO 2160 ASTM D4048	Rating	1
Corrosion Test Emcor Standard + 3% NaCl	ISO 11007 DIN 51802	Rating	0/0 1/1
Four Ball EP Test, Weld Load	DIN 51350-4	N	3400
Water Resistance, 90°C/194°F, 3h	DIN 51897-1	Rating	0
FAG FE 9 A/1500/6000/130	DIN 51821-2	hrs	>200
FAG FE 8	DIN 51819-2	mg	<5
ISO Classification	ISO 6743/9	-	L-XBCEB 2
DIN Classification	DIN 51502	-	KP 2 K - 20

Subject to usual manufacturing tolerances.

Castrol, Spherol, and the Castrol logo are trademarks of Castrol Limited, used under licence

INTERNATIONAL All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Ltd products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

Castrol Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, UK
www.castrol.com/industrial