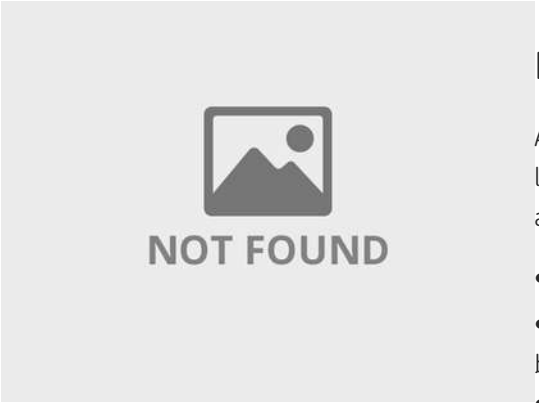
LGGB 2/0.4



Biodegredable bearing grease

A biodegradable, low toxicity, synthetic ester oil based grease, using a lithium-calcium thickener. Its special formulation makes it suitable for applications where environmental impact is a concern.

- Compliance with current regulations on toxicity and biodegradability
- Good performance in applications with steel-on-steel spherical plain bearings, ball bearings and roller bearings
- Good low temperature start-up performance
- Good corrosion inhibiting properties
- Suitable for medium to high loads

Overview

Performance

Speed (max.) n x dm (x 1000)	300
Dropping point (min) ISO 2176	170 °C
Base oil viscosity DIN 51562 at 40 °C	110 mm
Base oil viscosity DIN 51562 at 100 °C	13 mm
Penetration DIN ISO 2137, Worked, 60 strokes (10-1mm)	265 - 295
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10-1mm	+50
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10-1mm	+70
Mechanical stability, V2F test, 144 hrs	-
Corrosion protection, Emcor, ISO 11007, Distilled water	0-0
Corrosion protection, Emcor, ISO 11007 modified, Water washout	-
Corrosion protection, Emcor, ISO 11007 modified, 0.5% NaCl	-
Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C	0
Oil separation DIN 51817, 40°C, %	0.8-3
Lubrication ability, R2F test B at 120°C	Pass at 100°C
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	-
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 100°C

EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	1.8 mm
EP performance - 4 ball - Weld load (min.) DIN 51350/4	2 600 N
Low temperature torque, Start/Running, mNm	-
Product weight	0.4 kg

Properties

Recommended applications	Applications where grease can leak into the environment;Mining and conveying equipment;Water treatment and irrigation;Locks, dams, bridges
DIN 51825 code	KPE2K-40
NLGI consistency class	2
Thickener	Lithium/calcium
Colour	Off white
Base oil type	Synthetic ester
Operating temperature range	-40 to +90 °C
Shelf life	2 year

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