



SKF LGGB 2/5

EAL Biodegradable bearing grease

An Environmentally Acceptable Lubricant (EAL) made from synthetic ester oil combined with a lithium-calcium thickener. Its special biodegradable formulation makes it suitable for applications where environmental impact is a concern.

Technical specifications

Dimensions	
Corrosion protection, Emcor, ISO 11007, Distilled water	0-0
Performance	
Suitable for High load applications	●●●○○
Suitable for Vertical shaft applications	●●●○○
Suitable for applications with Oscilating movements	●●●●○
Suitable for applications with Severe vibrations	●●○○○
Suitable for applications that require Rust protection	●●●○○
Suitable for applications that require Water resistance	●●●●○
Suitable for applications that require Frequent start-up	●●●●○
Operating temperature range	Array °C
Load Range	Medium - High C/P 4-14
Speed Range	Low - Medium
Dropping point (min) ISO 2176	170 °C
Penetration DIN ISO 2137, Worked, 60 strokes (10 ⁻¹ mm)	265 - 295
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10 ⁻¹ mm	+50
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10 ⁻¹ mm	+70
Mechanical stability, V2F test, 144 hrs	-
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	1
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	2600 N
Properties	
Recommended applications	Applications where grease can leak into the environment;Mining and conveying equipment;Water treatment and irrigation;Locks, dams, bridges
Category	Bearing grease
Lubricant	LGGB 2
NLGI consistency class	2
Base oil viscosity DIN 51562 at 40 °C	110 mm ² /s
Base oil viscosity DIN 51562 at 100 °C	18 mm ² /s
Biodegradable	No
DIN 51825 code	KPE2K-40
Thickener	Lithium calcium
Colour	Off white
Base oil type	Synthetic ester
Shelf life	2 year

Available for single point lubrication	Yes
--	-----

Logistics	
Product net weight	5 kg
eClass code	23-06-01-01
UNSPSC code	15121902