

SKF



There are Six Billion Reasons

to use SKF Green Grease

Will the planet survive is a mounting concern in the 21st century. At SKF we know the solution rests with each and everyone of us. That's why we're doing our part to ensure that we take the environment seriously and develop products and processes which are friendly to the planet. Certified ISO 14001, the international standard for environmental management, SKF is striving not only to be a world leader in bearing manufacturing but to be a world leader in sound environmental practices. And we have six billion reasons surrounding us.

That's also why we have introduced a new biodegradable, low toxicity Green Grease, LGGB 2, which is a more environmentally friendly alternative to standard (toxic and non-biodegradable) lubricating greases especially in applications where contamination of the environment is a concern.

Until recently, biodegradable lubricants were considered unsuitable for bearing lubrication. The new LGGB 2 biodegradable grease however, meets the stringent SKF criteria for bearing grease. Tested and approved for steel-on-steel spherical plain bearings, ball bearings and roller bearings this new green grease is suitable for a wide range of applications operating under different conditions.

Suitable for applications such as:

- Agricultural and forestry equipment
- Construction and earthmoving equipment
- Mining and conveying equipment
- Water treatment and irrigation
- Turf, lawn and golf equipment
- Locks, dams and bridges
- Linkages and rod ends
- Pleasure craft propellers and shafts
- Other applications where contamination of the environment is a concern

Important notice

SKF grease LGGB 2 is biodegradable. Contamination, especially by moisture, promotes the grease degradation process which can affect performance. It is therefore more important to ensure proper sealing or correct relubrication procedures are used with SKF LGGB 2 than with conventional greases.



Ordering details / technical data

Designation	: LGGB 2/(pack size)		
Environment properties			
Biodegradability, CEC-L-33-A-94	:	> 80 %	
WGK (German Water Pollution Hazard Classification)	:	0	
Basic characteristics			
DIN 51825 code	:	KPE 2K-40	
NLGI consistency class	:	2	
Soap type	:	lithium / calcium	
Colour	:	off white	
Base oil type	:	synthetic ester	
Operating temperature range, °C (°F)	:	-40 to +120 (-4 to +230)	
Maximum temperature for continuous use °C (°F)	:	+90 (+194)	
Dropping point DIN ISO 2176, °C (°F)	:	170 min.	
Base oil viscosity			
40 °C, mm ² /s	:	110	
100 °C, mm ² /s	:	13	
Penetration DIN ISO 2137			
60 strokes, 10 ⁻¹ mm	:	265-295	
100.000 strokes, change 10 ⁻¹ mm	:	< 30	
Corrosion protection			
SKF Emcor standard, distilled water, DIN 51 802	:	0 - 0	
Water resistance			
DIN 51 807/1, 3 hrs at 90 °C	:	1 max.	
Oil separation			
DIN 51 817, 7 days at 40 °C, static, %	:	1,6 %	
Grease life			
SKF R0F test, 10.000 rpm at 120 °C, L50	:	circa 500 hrs	
Performance in plain bearings			
SKF steel-on-steel spherical plain bearing test	:	pass	
Performance in roller bearings			
E DIN 51819, 750 rpm	:	pass	
Mechanical stability			
Roll stability, 50 hours at 80 °C, change 10 ⁻¹ mm	:	< 50	
EP performance			
4 ball wear scar, DIN 51350/5, 1.400 N	:	1,68 mm	
4 ball weld load, DIN 51350/4	:	2.500 N	
Available pack sizes			
SYSTEM 24	5 kg can	180 kg drum	
420 ml cartridge	18 kg can		

In line with our policy of continuous development of our products we reserve the right to alter any part of the above specification without prior notice.

SKF Maintenance Products

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