

SKF High viscosity bearing grease with solid lubricants

LGEM 2

SKF LGEM 2 is a high viscosity, mineral oil based grease using a lithium soap. Its content of molybdenum disulphide and graphite provides extra protection for harsh applications subjected to high loads, heavy vibrations and slow rotations.

- High oxidation stability
- Molybdenum disulphide and graphite provide lubrication even if the oil film breaks down

Typical applications

- Rolling element bearings running at low speed and very high loads
- Jaw crushers
- Track laying machines
- Lift mast wheels
- Building machines such as mechanical rams, crane arms and crane hooks



Available pack sizes

Packsize	Designation	Packsize	Designation
420 ml cartridge	LGEM 2/0.4	Electro-mechanical lubricators	
5 kg can	LGEM 2/5	TLSD series 125 ml	TLSD 125/EM2
18 kg pail	LGEM 2/18	TLSD series 125 ml refill	LGEM 2/SD125
180 kg drum	LGEM 2/180	TLSD series 250 ml	TLSD 250/EM2
Gas driven lubricators		TLSD series 250 ml refill	LGEM 2/SD250
LAGD series 60 ml	LAGD 60/EM2		
LAGD series 125 ml	LAGD 125/EM2		



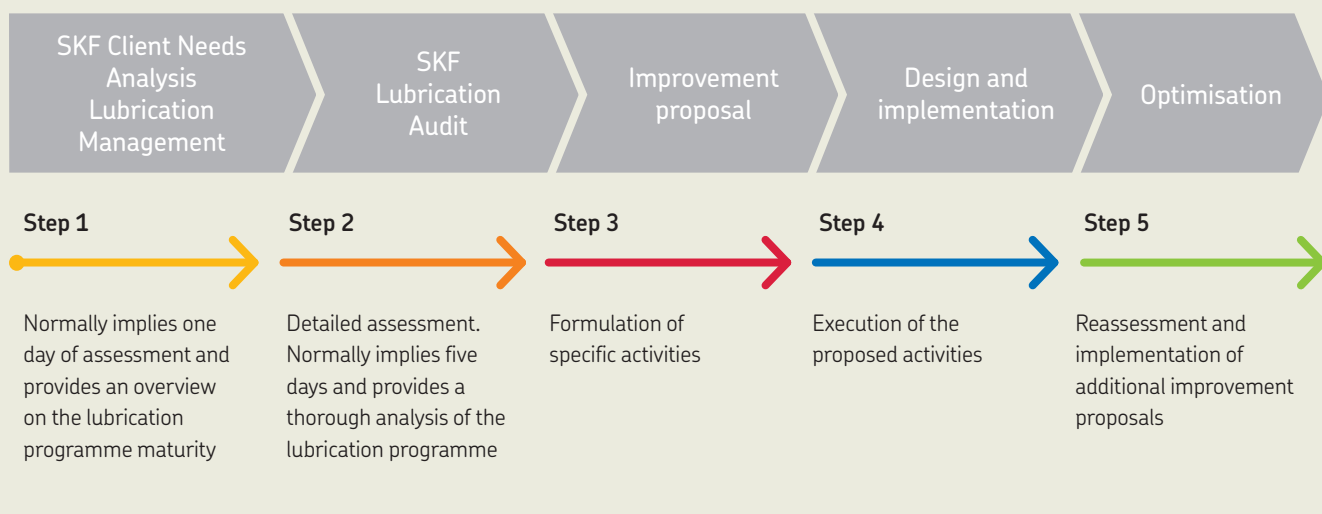
Technical data

Designation	LGEM 2/(pack size)		
DIN 51825 code	KPF2K-20	Corrosion protection	
NLGI consistency class	2	Emcor: – standard ISO 11007	0–0
Thickener	Lithium/calcium	– water washout test	0–0 ¹⁾
Colour	Black	Water resistance	
Base oil type	Mineral	DIN 51 807/1,	
Operating temperature range	–20 to +120 °C (–5 to +250 °F)	3 hrs at 90 °C	1 max.
Dropping point DIN ISO 2176	>180 °C (>355 °F)	Oil separation	
Base oil viscosity		DIN 51 817,	
40 °C, mm ² /s	500	7 days at 40 °C, static, %	1–5
100 °C, mm ² /s	32	Lubrication ability	
Penetration DIN ISO 2137		R2F, running test B at 120 °C	Pass at 100 °C (210 °F)
60 strokes, 10 ^{–1} mm	265–295	Copper corrosion	
100 000 strokes, 10 ^{–1} mm	325 max.	DIN 51 811	2 max. at 100 °C (210 °F)
Mechanical stability		EP performance	
Roll stability, 50 hrs at 80 °C, 10 ^{–1} mm	345 max.	Wear scar DIN 51350/5, 1 400 N, mm	1,2 max.
V2F test	'M'	4-ball test, welding load DIN 51350/4, N	3 400 min.

¹⁾ Typical value

Lubrication management

Just as asset management takes maintenance to a higher level, a lubrication management approach allows lubrication to be seen from a wider point of view. This approach helps to effectively increase machine reliability at a lower overall cost.



skf.com | mapro.skf.com | skf.com/lubrication

© SKF is a registered trademark of the SKF Group.

© SKF Group 2017

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB MP/P8 12044/2 EN · June 2017

Certain image(s) used under license from Shutterstock.com.