SKF Biodegradable bearing grease

SKF LGGB 2 is a biodegradable, low toxicity, synthetic ester oil based grease, using a lithium-calcium thickener. Its special formulation makes it most suitable for applications where environmental contamination is a concern.

- 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

**Typical applications**
- Agricultural and forestry equipment
- Construction and earthmoving equipment
- Mining and conveying equipment
- Water treatment and irrigation
- Locks, dams, bridges
- Linkages, rod ends

**Available pack sizes**

<table>
<thead>
<tr>
<th>Packsize</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>420 ml cartridge</td>
<td>LGGB 2/0.4</td>
</tr>
<tr>
<td>5 kg can</td>
<td>LGGB 2/5</td>
</tr>
<tr>
<td>18 kg pail</td>
<td>LGGB 2/18</td>
</tr>
<tr>
<td>180 kg drum</td>
<td>LGGB 2/180</td>
</tr>
<tr>
<td>Gas driven lubricator</td>
<td></td>
</tr>
<tr>
<td>LAGD series 125 ml</td>
<td>LAGD 125/GB2</td>
</tr>
</tbody>
</table>
Technical data

Designation: LGGB 2/pack size

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIN 51825 code</td>
<td>KPE 2K-40</td>
</tr>
<tr>
<td>NLGI consistency class</td>
<td>2</td>
</tr>
<tr>
<td>Thickener</td>
<td>Lithium/calcium</td>
</tr>
<tr>
<td>Colour</td>
<td>Off white</td>
</tr>
<tr>
<td>Base oil type</td>
<td>Synthetic ester</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>–60 to +90 °C</td>
</tr>
<tr>
<td>Dropping point DIN ISO 2176</td>
<td>&gt;170 °C (&gt;340 °F)</td>
</tr>
<tr>
<td>Base oil viscosity</td>
<td>110/13</td>
</tr>
<tr>
<td>Penetration DIN ISO 2137</td>
<td>265–295/50 max. (325 max.)</td>
</tr>
<tr>
<td>Mechanical stability</td>
<td>Roll stability, 50 hrs at 80 °C, 10–1 mm +70 max. (350 max.)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Corrosion protection
- Emcor: – standard ISO 11007 0–0

Water resistance
- DIN 51 807/1, 3 hrs at 90 °C 0 max.

Oil separation
- DIN 51 817, 7 days at 40 °C, static, % 0,8–3

Lubrication ability
- R2F, running test B at 120 °C Pass at 100 °C (210 °F)

Rolling bearing grease life
- RFO test L560 life at 10 000 r/min., hrs >300 at 120 °C (250 °F)

EP performance
- Wear scar DIN 51350/5, 1 400 N, mm 1,8 max.
- 4-bail test, welding load DIN 51350/4, N 2 600 min.

Shelf life
- 2 years

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 Client Needs Analysis Lubrication Management

SKF Lubrication Audit

Improvement proposal

Design and implementation

Optimisation

Step 1

Normally implies one day of assessment and provides an overview on the lubrication programme maturity

Step 2

Detailed assessment. Normally implies five days and provides a thorough analysis of the lubrication programme

Step 3

Formulation of specific activities

Step 4

Execution of the proposed activities

Step 5

Reassessment and implementation of additional improvement proposals

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 MPP8 12049/2 EN - August 2018
Certain image(s) used under license from Shutterstock.com.