SKF Extreme temperature, extreme condition bearing grease

LGET 2

SKF LGET 2 is a synthetic fluorinated oil based grease, using a PTFE thickener. It is especially suitable for applications at extremely high temperatures from 200 °C (390 °F) up to 260 °C (500 °F).

- Long life in aggressive environments such as very reactive areas with a presence of high purity gaseous oxygen and hexane
- Excellent oxidation resistance
- Good corrosion resistance
- Excellent water and steam resistance

Typical applications
- Bakery equipment (ovens)
- Kiln truck wheels
- Load rollers in copying machines
- Wafer baking machines
- Textile dryers
- Film stretching tenders
- Electric motors running at extreme temperatures
- Emergency / hot fans
- Vacuum pumps

Available pack sizes

<table>
<thead>
<tr>
<th>Packsize</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 g syringe</td>
<td>LGET 2/0.050</td>
</tr>
<tr>
<td>1 kg can</td>
<td>LGET 2/1</td>
</tr>
</tbody>
</table>

Important note:
LGET 2 is a fluorinated grease and is not compatible with other greases, oils and preservatives (except LGED 2). Therefore, very thorough cleaning of bearings and systems is essential before applying fresh grease.
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

- **Step 1**: Normally implies one day of assessment and provides an overview on the lubrication programme maturity.

### SKF Lubrication Audit

- **Step 2**: Normally implies five days and provides a thorough analysis of the lubrication programme.

### Improvement proposal

- **Step 3**: Formulation of specific activities.

### Design and implementation

- **Step 4**: Execution of the proposed activities.

### Optimisation

- **Step 5**: Reassessment and implementation of additional improvement proposals.

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**Technical data**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designation LGET 2/(pack size)</td>
<td>KFK2U-40</td>
</tr>
<tr>
<td>DIN 51825 code</td>
<td></td>
</tr>
<tr>
<td>NLGI consistency class</td>
<td>2</td>
</tr>
<tr>
<td>Thickener</td>
<td>PTFE</td>
</tr>
<tr>
<td>Colour</td>
<td>Off white</td>
</tr>
<tr>
<td>Base oil type</td>
<td>Synthetic (fluorinated polyether)</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>−40 to +260 °C (−40 to +500 °F)</td>
</tr>
<tr>
<td>Dropping point DIN ISO 2176</td>
<td>&gt;300 °C (&gt;570 °F)</td>
</tr>
<tr>
<td>Base oil viscosity 40 °C, mm²/s</td>
<td>400</td>
</tr>
<tr>
<td>100 °C, mm²/s</td>
<td>38</td>
</tr>
<tr>
<td>Penetration DIN ISO 2137 60 strokes, 10⁻⁵ mm</td>
<td>265–295</td>
</tr>
<tr>
<td>Mechanical stability</td>
<td>±30 max. 130 °C (265 °F)</td>
</tr>
</tbody>
</table>

1) Typical value

**Corrosion protection**

- Emcor: standard ISO 11007 1–1 max.

**Water resistance**

- DIN 51 807/1, 3 hrs at 90 °C 0 max.

**Oil separation**

- DIN 51 817, 7 days at 40 °C, static, % 13 max. 30 hrs at 200 °C (390 °F)

**Copper corrosion**

- DIN 51 811 1 max. at 150 °C (300 °F)

**Rolling bearing grease life**

- ROF test L₀₅₀ life at 10 000 r/min., hrs >1 000¹¹ at 220 °C (428 °F)

**EP performance**

- 4–ball test, welding load DIN 51350/4, N 8 000 min.