Grid and gear coupling grease

LMCG 1

LMCG 1 is a polyethylene thickened and mineral oil based grease which also uses a lithium complex thickening technology. The grease is formulated to withstand high centrifugal forces and high-torque applications for grid and gear (flexible) couplings even where severe shock loadings, misalignment and vibration occur.

Leakage is prevented at high speeds and the grease is stable in consistency. The special additive formulations make the grease suitable for applications subjected to high loads, high torque, wet environments, a wide range of speed regimes and wide range of temperatures

- Excellent resistance to oil separation
- High acceleration and high operating speeds
- Excellent high-torque lubrication
- High corrosion protection
- Exceeds AGMA Type CG-1 and AGMA Type CG-2 requirements

Typical industries
- Heavy industries (mining, mineral processing, cement, steel, pulp & paper).
- Marine industry.
- General machinery (petrochemical, power generation plants, etc.).

Available pack sizes

<table>
<thead>
<tr>
<th>Packsize</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 g tube</td>
<td>LMCG 1/0.035</td>
</tr>
<tr>
<td>420 ml cartridge</td>
<td>LMCG 1/0.4</td>
</tr>
<tr>
<td>2 kg can</td>
<td>LMCG 1/2</td>
</tr>
<tr>
<td>18 kg pail</td>
<td>LMCG 1/18</td>
</tr>
</tbody>
</table>

Typical applications
- Grid and gear couplings
- Flexible heavy duty grid and gear coupling
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

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**Technical data**

<table>
<thead>
<tr>
<th>Designation</th>
<th>LMCG 1/(pack size)</th>
<th>DIN 51825 code</th>
<th>NLGI consistency class</th>
<th>Thickener</th>
<th>Colour</th>
<th>Base oil type</th>
<th>Operating temperature range</th>
<th>Dropping point IP 396</th>
<th>Base oil viscosity</th>
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<tbody>
<tr>
<td>DIN 51825 code</td>
<td>G0G1G-0</td>
<td>1</td>
<td>1</td>
<td>Polyethylene</td>
<td>Brown</td>
<td>Mineral</td>
<td>0 to 120 °C (32 to 248 °F)</td>
<td>210 °C (410 °F)</td>
<td>761, 44</td>
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<td>NLGI consistency class</td>
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</table>

**Penetration DIN ISO 2137**

60 strokes, 10⁻¹ mm

310–340

**Corrosion protection**

SKF Emcor standard ISO 11007

0–0

**EP performance**

Wear scar DIN 51350/5, 1 400 N, mm

0.5 max.

4-ball test, welding load DIN 51350/4

3 200 N

1) Typical value