

# High temperature and harsh environment food grade grease

## LGED 2

SKF LGED 2 is a food grade NSF H1 certified grease based on a synthetic fluorinated oil using a PTFE thickener. It is suitable for extremely high temperature from 180 °C (392 °F) up to 240 °C (464 °F) and/or aggressive environments such as acids/alkalis, vacuum, oxygen etc.

- Excellent oxidation resistance
- Very low evaporation losses at high temperature
- Good corrosion resistance
- Long life in aggressive environments such as very reactive areas with a presence of high purity gaseous oxygen and hexane

### Typical applications

- Bakery/brick oven equipment
- Glass industry
- Kiln truck wheels
- Load rollers in copying machines
- Wafer baking equipment
- Textile dryers
- Film stretching tenders
- High temperature fans
- Vacuum pumps



### Available pack sizes

| Packsize | Designation |
|----------|-------------|
| 1 kg can | LGED 2/1    |



### Important note:

LGED 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.

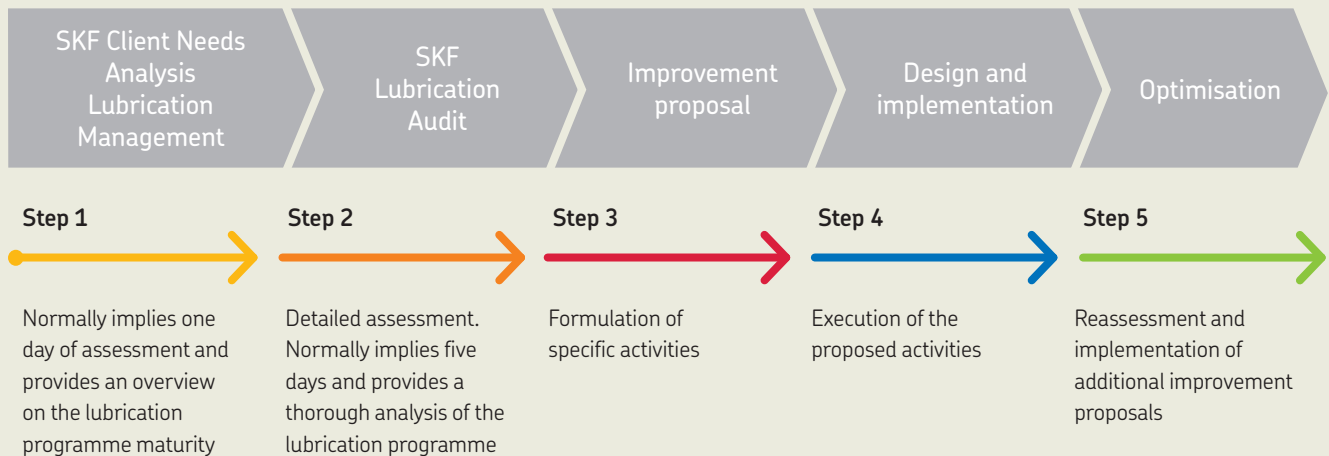
**Technical data**

|                                      |   |   |                           |
|--------------------------------------|---|---|---------------------------|
| Designation                          | LGED 2/(pack size)                        |   |                           |
| DIN 51825 code                       | KFK2U-30                                  | Corrosion protection                        |                           |
| NLGI consistency class               | 2   | Skf Emcor:                                  |                           |
| Thickener                            | PTFE                                      | – standard ISO 11007                        | 0–0 <sup>1)</sup>         |
| Colour                               | Off white                                 | EP performance                              |                           |
| Base oil type                        | PFPE<br>(Synthetic fluorinated polyether) | 4-ball test,<br>welding load DIN 51350/4, N | 8 000 min.                |
| Operating temperature range          | –30 to +240 °C<br>(–22 to +464 °F)        | Water resistance                            |                           |
| Dropping point DIN ISO 2176          | >300 °C (>570 °F)                         | DIN 51 807/1,<br>3 hrs at 90 °C             | 1 max.                    |
| Base oil viscosity                   |   | Copper corrosion                            |                           |
| 40 °C, mm <sup>2</sup> /s            | 460                                       | ISO 2160                                    | 1 max. at 100 °C (210 °F) |
| 100 °C, mm <sup>2</sup> /s           | 42  | Rolling bearing grease life                 |                           |
| Penetration DIN ISO 2137             |   | ROF test                                    |                           |
| 60 strokes, 10 <sup>-1</sup> mm      | 265–295                                   | L <sub>50</sub> life at 10 000 r/min., hrs  | >700, at 220 °C (430 °F)  |
| 100 000 strokes, 10 <sup>-1</sup> mm | 271 <sup>1)</sup>                         | Evaporation losses                          |                           |
|                                      |   | 6 weeks at 200 °C, % weight losses          | <3,5%                     |
|                                      |   | Density                                     |                           |
|                                      |   | at 20 °C, g/cm <sup>3</sup>                 | 1,96                      |
|                                      |   | NSF Reg. No.                                | 156010                    |

<sup>1)</sup> 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](http://skf.com) | [mapro.skf.com](http://mapro.skf.com) | [skf.com/lubrication](http://skf.com/lubrication)

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