

## LGBB 2

## SKF Wind Turbine Blade and Yaw Bearing Grease

SKF LGBB 2 is a lithium complex/synthetic PAO oil based grease specially designed for extreme conditions involving very low speeds, high loads, low temperatures and oscillating conditions. This grease provides proper lubrication whether the turbine is operating or in stand-still mode, installed onshore, offshore, or in cold climate areas.

- Excellent false brinelling protection
- Excellent performance under high loads
- Excellent performance at low temperature starting torque
- Good pumpability down to low temperatures
- Excellent water resistance
- Excellent corrosion protection
- High thermal and mechanical stability

### Typical applications:

- Wind turbine blade and yaw bearing applications



### Technical data

| Designation   | LGBB 2/(pack size)                 |  |
|---|------------------------------------|--|
| DIN 51825 code  | KP2G-40                            |  |
| NLGI consistency class  | 2                                  |  |
| Soap type   | Lithium complex                    |  |
| Colour  | Yellow                             |  |
| Base oil type   | Synthetic (PAO)                    |  |
| Operating temperature range   | -40 to +120 °C<br>(-40 to +250 °F) |  |
| Dropping point DIN ISO 2176   | >200 °C (390 °F)                   |  |
| Base oil viscosity<br>40 °C, mm <sup>2</sup> /s   | 68                                 |  |
| Penetration DIN ISO 2137<br>60 strokes, 10 <sup>-1</sup> mm<br>100 000 strokes, 10 <sup>-1</sup> mm | 265-295<br>+50 max.                |  |
| Mechanical stability<br>Roll stability, 50h at 80 °C, 10 <sup>-1</sup> mm                           | +50 max.                           |  |
| Corrosion protection<br>Emcor: - Standard ISO 11007<br>- Salt water test (100% sea water)           | 0-0<br>0-1*                        |  |
| Water resistance<br>DIN 51 807/1,<br>3 hours at 90 °C   | 1 max.                             |  |
| Oil separation<br>DIN 51817,<br>7 days at 40 °C, static, %  | 4 max, 2.5*                        |  |
| Copper corrosion<br>DIN 51 811, 120 °C  | 1 max.                             |  |
| EP performances<br>Wear scar DIN 51350/5, 1400 N, mm<br>4-ball test, welding load DIN 51350/4, N    | 0.4 *<br>5 500 *                   |  |
| Rolling bearing lubrication ability<br>Fe8, DIN 51819,<br>80 kN, 80 °C, C/P 1.8, 500 h              | pass                               |  |
| False brinelling resistance<br>ASTM D4170 FAFNIR test, mg   | 0-1*                               |  |
| Available pack sizes  | 420 ml cartridge<br>5, 18, 180 kg  |  |

\* Typical value