

# High load, water resistant, high temperature bearing grease

## LGHC 2

LGHC 2 is a mineral oil based grease based on calcium sulphonate complex technology. It is formulated to withstand high loads, large amounts of water and high temperatures. It is most suitable for heavy applications, especially in the cement, mining and metals segments.

- Good mechanical stability
- Excellent corrosion protection
- Excellent high load lubricating capacity

### Typical applications

- Roll stands in metallurgical industry
- Continuous casters
- Vibrating screens
- Ball mills bearings



### Available pack sizes

| Packsizes   | Designation |
|-------------|-------------|
| 50 kg drum  | LGHC 2/50   |
| 180 kg drum | LGHC 2/180  |

| Technical data                                       |                                   |                                     |                |
|--|-----------------------------------|-------------------------------------|----------------|
| Designation  | LGHC 2/(pack size)                |                                     |                |
| DIN 51825  | KP2N-20                           | <b>Corrosion protection</b>         |                |
| NLGI consistency class                               | 2                                 | Emcor: – standard ISO 11007         | 0–0            |
| Soap type  | Complex calcium sulphonate        | – salt water test (100% sea water)  | 0–1            |
| Colour   | Brown                             | <b>Water resistance</b>             |                |
| Base oil type  | Mineral                           | DIN 51 807/1,                       |                |
| Operating temperature range                          | –20 to +140 °C<br>(–4 to +284 °F) | 3 hrs at 90 °C                      | 1 max.         |
| Dropping point, DIN ISO 2176                         | >280 °C (>536 °F)                 | Water wash out ASTM D1264, %        | 2 max.         |
| Base oil viscosity                                   |                                   | <b>Oil separation</b>               |                |
| 40 °C, mm <sup>2</sup> /s                            | 450                               | DIN 51 817,                         |                |
| 100 °C, mm <sup>2</sup> /s                           | 31                                | 7 days at 40 °C, static, %          | 2*             |
| Penetration DIN ISO 2137                             |                                   | <b>Lubrication ability</b>          |                |
| 60 strokes, 10 <sup>-1</sup> mm                      | 265–295                           | R2F, running test B at 120 °C       | Pass at 140 °C |
| 100 000 strokes, 10 <sup>-1</sup> mm                 | +30 max.                          | <b>Copper corrosion</b>             |                |
| Mechanical stability                                 |                                   | DIN 51 811, 100 °C                  | 1b max.        |
| Roll stability, 50 hrs at 80 °C, 10 <sup>-1</sup> mm | –20 to +30 max.                   | <b>EP performances</b>              |                |
|  |                                   | Wear scar, DIN 51350/5, 1 400 N, mm | 1.2*           |
|  |                                   | Weld load, DIN 51350/4, N           | 4 000*         |
|  |                                   | <b>Available pack sizes</b>         | 50, 180 kg     |

\* Typical value