

Highlights

- Excellent low temperature performance
- Very good mechanical stability
- Good corrosion protection
- Suitable for high speed applications

TrustLube Low Temperature is a lithium complex thickened lubricating grease based on low viscous synthetic oil. The grease contains antioxidants, corrosion inhibitors and EP/AW additives.

The special low viscous synthetic oil gives the product very low starting and running torques making it suitable for low temperature applications. The grease is also suitable for bearings operating at high speed.

TrustLube Low Temperature is a modern high performance synthetic low temperature grease that can be used in both industrial and automotive applications and in modern centralised lubrications systems operating at low temperatures. The grease is suitable for use down to -55°C.



extreme pressure



high speed



corrosion protection



low temperature

DIN 51 502: KPHC2K-55

ISO 6743: ISO-L-XECIB2

| | | |
|-----------------------------|-------------|----------------------------|
| Thickener | | Lithium Complex |
| Base oil | | Synthetic oil |
| Colour | Visual | Beige |
| NLGI Grade | ASTM D217 | 2 |
| Dropping point | IP 396 | >260°C |
| Base oil viscosity at 40°C | ISO 12058 | 45 mm ² /s |
| Base oil viscosity at 100°C | ISO 12058 | 8 mm ² /s |
| 4-ball weld load | DIN 51350:4 | 2600 N |
| Temperature range | | -55°C to +120°C Max +150°C |

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|-------------------------------|------------------|---------|
| Mechanical stability | | |
| Penetration 60 strokes | ISO 2137 | 265-295 |
| Penetration 100.000 strokes | strokes ISO 2137 | +20 |
| Shell roll stability 50h/80°C | ASTM D1831mod | +50 |
| Corrosion protection | | |
| SKF Emcor WWO distilled water | ISO 11007mod | 0-0 |
| SKF Emcor WWO salt water | ISO 11007mod 2-2 | 2-2 |
| Copper corrosion 24h/100°C | ASTM D4048 | 1b |
| Water stability | | |
| Water resistance | DIN 51807/1 | 0-90 |
| Anti-wear properties | | |
| 4-ball wear scar (1h at 400N) | DIN 51350:5 | 0,8 mm |
| Others | | |
| Approx. density at 20°C | IPPM-CS/03 | 0,91 |

The information above is based on current production data and can vary within given tolerances. Temperature range is given as a guideline only. Information and data can be changed without previous notification. This information replaces prior editions.

Maritime

- Offshore Oil & Gas
- Offshore Wind
- Offshore Contracting
- Dredging

Mining

- Heavy Industry**
- Food Industry**

About TrustLube®

TrustLube® designs, manufactures, assembles and installs automatic lubrication systems and monitoring systems for the Maritime Industry, Mining, Heavy Industry and Food Industry.

Our skill lies in the exact dosage required for the installation to achieve a sound performance. The method of TrustLube® ensures the continuity of the industrial process and enables installations to achieve significant lubricant savings.

Our sustainable TrustLube® systems continually prove themselves in the most extreme conditions. Anywhere in the world.

Automatic Lubrication System

The TrustLube® dual line system is, due to the simplicity and reliability, the preferred choice for heavy-duty applications. With the TrustLube® system one metering device per greasing point is used. All metering devices are working independent of each other regardless temperature, tube length and viscosity of the lubricant. TrustLube® two line systems provide reliable lubrication for large extended installations and deliver an exact quantity of grease per cycle to provide optimal lubrication to each greasing point.

Per greasing point the grease quantity can be exactly adjusted, by mounting the exact metering device available in a large range of different quantities from 0.1cc to 7.5cc, delivering each cycle an exact quantity at the right place.

The quantity of grease is independent from outside temperature and pump running time. The system is completely hermetically sealed. No dirt, seawater or sand can enter the system. The complete system is constructed in stainless steel. Each distribution metering unit has a non-return check valve that prevents grease returning in the line.

A TrustLube® system and the metering devices are in such way developed that segregation of grease cannot occur. Each metering device can be electronically monitored to detect a possible blocking greasing point in an early stage. Special stainless steel distribution manifolds are designed by TrustLube® to ensure easy fitting with the main lines which also makes future extensions, when necessary, very easy.

TrustLube B.V. is ISO 9001, ISO 14001, OHSAS 18001 and SCC Petrochemical certified.



It underlines our commitment to deliver high quality products and an excellent level of service.