

Tribol™ GR HT 2

High-temperature grease for long-term lubrication

Description

Castrol Tribol™ GR HT 2 (previously called Optitemp™ HT 2) is high performance grease for long-term lubrication of rolling and sliding bearings at high operating temperatures as well as at normal or medium bearing pressures. Tribol GR HT 2 is light-colored.

Application

- For thermally loaded rolling and sliding bearings such as fan bearings in the textile, wood, plastics and food industries as well as in stove furnaces of the automotive industry
- For steam-heated calender or drying cylinder bearings
- As sealing grease for labyrinth seals at high temperatures
- For the application in slightly acidic or alkaline atmospheres

Advantages

- optimum wear protection in the high load range
- extremely good load bearing capacity
- especially aging and temperature-resistant
- structurally stable
- resistant to cold and hot water, limited resistance to alkalis and acids
- excellent corrosion protection
- pumpable in central lubrication systems
- temperature application range: -20 °C/-4 °F to +160 °C/+320 °F. In case of life-lubricated bearings the temperature of +150 °C/+302 °F under normal conditions should not be exceeded. Short-term operation at higher temperatures is possible - please consult our Technical Service.

Typical Characteristics

| Name | Method | Unit | Tribol GR HT 2 |
|------------------------------------------------------------|------------------------|--------------------|----------------------|
| Color | Visual | - | Brown |
| Base | - | - | Inorganic Thickeners |
| Consistency/NLGI | DIN 51818 | - | 2 |
| Base oil viscosity @ 40 °C | ISO 3104/ASTM 445 | mm ² /s | 500 |
| Worked penetration PW 60 | ASTM D217/DIN ISO 2137 | 0.1 mm | 265 - 295 |
| Difference: PW 100.000 - PW 60 | - | 0.1 mm | 50 |
| Dropping point | DIN ISO 2176 | °C/°F | none |
| Water resistance at +90 °C/+194 °F | DIN 51807 T.1 | - | 0 |
| Corrosion Protection (SKF Emcor) | DIN 51802 | - | 0 |
| Oxidation resistance at 100 h/100 °C/212 °F, Pressure drop | DIN 51808 | bar | 0.4 |
| Four Ball o.k Load | DIN 51350 T4 | N | 1800 |

Subject to usual manufacturing tolerances

Additional Information

Please follow the bearing manufacturer's specifications.

Do not mix Tribol GR HT 2 with other lubricating greases. In case of doubt please consult the Technical Service.

Thoroughly clean bearings before introducing the initial fill.

Fill bearing housing only about half-full with Tribol GR HT 2

This product was previously called Optitemp HT 2. The name was changed in 2015

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