COPAL OGL 0

Grease

Extreme-pressure adhesive aluminium complex grease with solid lubricants for loaded open gears.

APPLICATIONS

**Semi fluid heavy duty water resistant grease.**
- COPAL OGL 0 is predominantly designed for the use on open gears of rotary drum drives, single / double pinion kilns and mill drives, working under severe circumstances. (for example in cement plants, paper mills,…).
- COPAL OGL 0 can be used as well on gear teeth and open gears commonly used in the sugar industry, steel industry, and for windmills (yaw systems).

**Recommendation**
- Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump/spray system well adjusted to optimize the quantities of grease sprayed and prevent from any lack of lubrication. Pick-up lubrication is possible with COPAL OGL 0.

SPECIFICATIONS

- ISO 6743-9: L-XBDHB 0
- DIN 51 502: OGPF0N - 20

ADVANTAGES

- High adhesiveness
  - Adhesion properties, and remarkable load and shocks resistance of COPAL OGL 0 protect gear teeth, increasing reliability and service life of the equipment.
- High loads
  - COPAL OGL 0 contains solid lubricants, decreasing friction coefficient, limiting wear particularly near the tooth crest and tooth base, decreasing energy consumption.
- High temperatures
  - Very good water resistance.
- Water resistant
  - Excellent anti-oxidation and anti-corrosion properties thanks to the carefully selected additives.
- Anti corrosion
  - COPAL OGL 0 does not contain lead, or other heavy metals considered harmful to human health and the environment.

CHARACTERISTICS

<table>
<thead>
<tr>
<th>Soap/thickener</th>
<th>METHODS</th>
<th>UNITS</th>
<th>COPAL OGL 0</th>
</tr>
</thead>
<tbody>
<tr>
<td>NLGI grade</td>
<td>ASTM D 217/DIN 51 818</td>
<td>-</td>
<td>- 0-00 Anthracite</td>
</tr>
<tr>
<td>Color</td>
<td>Visual</td>
<td>-</td>
<td>Smooth/Buttery</td>
</tr>
<tr>
<td>Appearance</td>
<td>Visual</td>
<td>-</td>
<td>- 20 to 150</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>ASTM D2596</td>
<td>°C</td>
<td>&gt; 800</td>
</tr>
<tr>
<td>4 ball Wear, Scar diameter</td>
<td>ASTM D2266</td>
<td>mm</td>
<td>&lt; 0.6</td>
</tr>
<tr>
<td>FZG A2.8/50 scuffing load step</td>
<td>DIN 51 354</td>
<td>rating</td>
<td>&gt; 12</td>
</tr>
<tr>
<td>Anti-rust performance SKF- EMCOR</td>
<td>DIN 51 802/IP220/NFT 60-135/ISO 11007</td>
<td>rating</td>
<td>0-0</td>
</tr>
<tr>
<td>Dropping point</td>
<td>IP 396/NFT 60 102 C</td>
<td>°C</td>
<td>&gt; 190</td>
</tr>
<tr>
<td>Kinematic viscosity of the base oil at 40°C</td>
<td>ASTM D 445/DIN 51 562-1/ISO 3104/ IP71</td>
<td>mm²/s (cSt)</td>
<td>&gt; 1000</td>
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</table>

Above characteristics are mean values given as an information.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.
A material safety data sheet conforming to the regulations in use in the E.C. is obtainable via your commercial adviser www.quick-fds.com