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## PRODUCT DATA

# LUBRIPLATE HIGH TEMP

## DESCRIPTION

LUBRIPLATE High Temp is a new development for extreme high temperature applications. This lubricant is of the non-melt type and manufactured with high viscosity oils of exceptional stability.

## ADVANTAGES

- ⇒ Very chemical resistant
- ⇒ Rust & corrosion resistant
- ⇒ High anti-wear film protection
- ⇒ Inert to most chemical

## APPLICATIONS

This lubricant should provide excellent lubrication on many of the higher temperature applications which are prevalent today. Due to the high viscosity of oil used in this product, do not recommend this lubricant for moderate to fast moving bearings.

## Typical Test Data – See Back

## TEMPERATURE TESTS

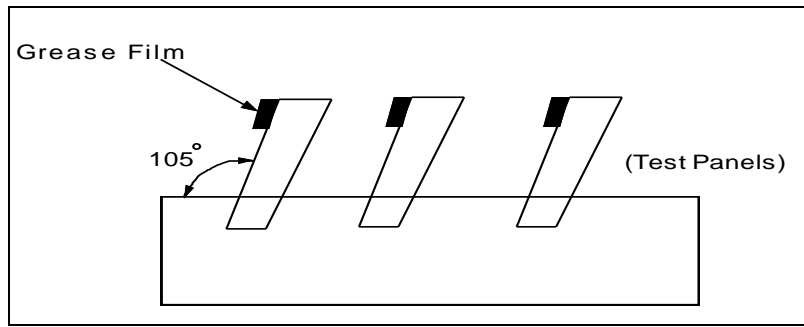
Laboratory temperature tests were run on LUBRIPLATE High Temp, also a bentone thickened lubricant and a lithium lubricant.

| <u>TIME</u> | <u>HIGH TEMP</u>                       | <u>BENTONE LUBRICANT</u>                          | <u>LITHIUM LUBRICANT</u>              |
|-------------|--|---|---------------------------------------|
| 1 Hour      | Color - Normal<br>Texture - Greasy     | Color - Slightly Darker<br>Texture - Slightly Dry | Color - Black<br>Texture - Plastic    |
| 2 Hours     | Color - Normal<br>Texture Greasy       | Color - Dark<br>Texture - Plastic                 | Color - Black<br>Texture - Firm       |
| 18 Hours    | Color - Dark Brown<br>Texture - Greasy | Color - Black<br>Texture - Hard & Dry             | Color - Black<br>Texture - Hard & Dry |

The above tests were run at 400°F.

All lubricants were subjected to the same test procedure. A film of grease 1/32" in thickness was applied to a 1-1/2 square space on the test panel. The steel block holding the test panel (as shown in diagram on back) was preheated in the oven to the test temperature. The test panels were placed in the block (as shown in the diagram on back):





After 18 hours of 400°F continuous heat in a static position, the surface of the LUBRIPLATE High Temp was dark brown, but the lubricant was soft and greasy and under the surface had not changed color.

Tests were then run on LUBRIPLATE High Temp as before at 500°F for a period of one hour and ten minutes. The results:

|         |  |
|---------|--|
| Color   | Nearly Black - Surface<br>Dark Brown - Under Surface |
| Texture | Greasy   |

Typical tests for LUBRIPLATE HIGH TEMP are as follows:

| PROPERTY                           | TEST METHOD | TYPICAL RESULTS*        |
|------------------------------------|-------------|-------------------------|
| Type of Thickener                  |             | Inorganic Gelling Agent |
| Worked Penetration @ 77°F          | ASTM D-217  | 265 to 295              |
| NLGI No.                           |             | 2                       |
| ASTM Dropping Point                | ASTM D-566  | Non-Melt Type (500°F+)  |
| Mineral Oil Viscosity: SUS @ 100°F | ASTM D-2161 | 2600                    |
| SUS @ 210°F                        | ASTM D-2161 | 155                     |
| cSt @ 40°C                         | ASTM D-445  | 497                     |
| cSt @ 100°C                        | ASTM D-445  | 32                      |
| Flash Point                        | ASTM D-92   | 580°F/304°C             |
| Color                              | Visual      | Beige                   |

\*Values for typical results are for information only and can vary; these are not specifications.

## **LUBRIPLATE HIGH TEMP is available as follows:**

### **PACKAGING AVAILABLE**

### **Part No.**

|                                |           |
|--------------------------------|-----------|
| Carton, 12/16 oz. Plastic Tubs | L0161-004 |
| Carton, 4/6 lb. Plastic Tubs   | L0161-005 |
| 35 lb. Pail                    | L0161-035 |
| 120 lb. Quarter Size, Drum     | L0161-039 |
| 430 lb. Full Size, Drum        | L0161-040 |
| Carton, 40/14½ oz. Cartridges  | L0161-098 |

