

TRIBOLUBE[®]-21

Synthetic Hydrocarbon Greases

CHARACTERISTICS

Tribolube-21 is the first U.S.D.A. H-1 true high performance, wide operating temperature range synthetic grease lubricant for use in Federally inspected meat and poultry plants. This U.S.D.A. H-1 grease will give long service life in a 10,000 rpm bearing at 350°F. NSF Registration No. 126603

APPLICATIONS

Tribolube-21 is recommended for use in ball, roller, and plain spherical bearings for industrial and commercial food processing equipment.

| PERFORMANCE TEST | TEST METHOD | CONDITION | TYPICAL VALUES |
|----------------------------|-------------------------|--|-----------------|
| Temperature Range | | | -80 °F to 400°F |
| NLGI No. | | | 2 |
| Unworked Penetration | ASTM D-217 | @ 77°F | 285 |
| Worked Penetration | ASTM D-217 | 60 Strokes | 289 |
| Worked Stability | FED-STD-791 Method 313 | 100,000 Strokes | 315 |
| Dropping Point | ASTM D-2265 | | 526°F |
| Evaporation | ASTM D-2595 | 22 hrs @ 350°F | 4.40% |
| Oil Separation | FED-STD-791 Method 321 | 30 hrs @ 350°F | 6.89% |
| Water Washout | ASTM D-1264 | 1 hr @ 105°F | 4.0% |
| Bomb Oxidation | ASTM D-942 | 100 hrs @ 210°F | -1 psi |
| | | 500 hrs @ 210°F | -2 psi |
| Dirt count | FED-STD-791 Method 3005 | 25 - 74 microns | 76/cc |
| | | Over 75 microns | 0/cc |
| Rust Prevention Properties | ASTM D-1743 | 48 hrs @ 125°F | 1 |
| Load Wear Index | ASTM D-2596 | @ 77°F | 35.72 |
| Last Non-Seizure | | Load/Wear Scar | 63 kg/0.38 mm |
| Last Seizure | | Load/Wear Scar | 200 kg/2.33 mm |
| Weld Point | | Load | 250 kg |
| Steel-on-Steel Wear | ASTM D-2266 | 1,200 rpm, 40 kg, 167°F, 2 hrs, 52100 Steel | 0.89 mm |
| High Temp. Performance | ASTM D-3336 | 350°F, 10,000 rpm, 5 lbs. | 582 hrs. |
| Low Temperature Torque | ASTM D-1478 | @ -65°F | |
| | | Starting | 1,950 gm-cm |
| | | Running | 325 gm-cm |
| Corrosion on Copper | ASTM D-4048 | 24 hrs @ 212°F | 1a |
| Rubber Swell | FED-STD-791 Method 3603 | "L" Stock, 168 hrs @ 158°F | 1.84% |
| Falex EP Test | ASTM D-3233 | Last Pass Load | 1,250 lbs. |
| | | Conversion to Contact Pressure | 45,766 psi. |

Extending Component Life with Tribolube Synthetic Lubricants[®]