# *TRIBOLUBE®-26NMS*

## *Fluorinated Specialty Grease*

### *CHARACTERISTICS*

Tribolube-26NMS maintains the same physical properties as Tribolube-2N which conforms to MIL-PRF-83261 and has a proven shelf life of over 10 years. An antitrust additive and MoS2 were added to enhance the already excellent extreme pressure and anti-wear properties of Tribolube-2N. Tribolube-26NMS displays excellent performance over a wide operating temperature range, has outstanding extreme pressure and anti-wear characteristics, has low foreign and opaque particle content, is non-migratory and highly resistant to microwave energy, and is generally compatible with plastic and elastomeric seals.

### *APPLICATIONS*

Aircraft actuators, gears, gimbal rings, oscillation bearings, anti-friction and plain spherical bearings. It is especially suitable for use in applications using miniature bearings. Reported applications include blower motors, motor generators, plastic clutches and gears, servo motors, microwave ovens, speedometer cables, motorcycle and automotive distributors, typewriters, business machines, etc. Other applications have included sub-fractional horsepower gear motors, camera drive systems, micro switch assemblies, reduction gears, and scientific instruments.

| PERFORMANCE TEST | TEST METHOD | CONDITION | TRIBOLUBE-26MS REQUIREMENTS | TYPICAL VALUES |
|---|---|---|---|---|
| | | | | TRIBOLUBE-26NMS |
| Temperature Range | | | -100 to 450ºF | -100 to 450ºF |
| NLGI No. | | | | 1 |
| Unworked Penetration | ASTM D-1403 | @77ºF | | 290 |
| Worked Penetration | ASTM D-1403 | @ 77ºF, 60 strokes | 270 - 350 | 295 |
| Worked Stability | FED-STD-791 Method 313 | 100,000 strokes | 375 max | 300 |
| Dropping Point | ASTM D-2265 | | | >450ºF |
| Evaporation | ASTM D-2595 | 22 hrs @ 450ºF | 17.0% max | 7.10% |
| Oil Separation | FED-STD-791 Method 321 | 30 hrs @ 450ºF | 15.0% max | 11.0% |
| Rust Prevention Properties | ASTM D-1743 | 48 hrs @ 125ºF | #1, Pass | # 1 Pass |
| Water Washout | ASTM D-1264 | 24 hrs @ 105ºF | | 3.15% |
| Load Wear Index | ASTM D-2596 | @ 77ºF | 120 min | 125.57 |
| Last Non-seizure | | Load/Wear Scar | | 60 kg/0.55 mm |
| Last Seizure | | Load/Wear Scar | | 500 kg/2.74 mm |
| Weld Point | | Load | 500 kg min | 620 kg |
| Steel-on-Steel Wear | ASTM D-2266 | 1200 rpm, 40 kg, 1 hr @ 167ºF, 52100 Steel | 1.30 mm max | 1.09 mm |
| | | 1200 rpm, 40 kg, 2 hrs @ 450ºF, M-50 Steel | 1.30 mm max | 1.05 mm |
| High Temp. Performance | ASTM D-3336 | 450ºF, 10,000RPM, 5 lbs | 500 hrs min | 650 hrs |
| Low Temperature Torque | ASTM D-1478 | @ -100ºF, Starting | 5,000 g-cm | 2,500 g-cm |
| | | running | 1,000 g-cm | 300 g-cm |