TIOLUBE 460 NL
SOLID FILM LUBRICANT

MEETS “REACH” MATERIAL REQUIREMENTS

Tiodize newly developed solid film lubricant was formulated to meet the changing and demanding requirements of the “REACH” program. Years of experience and competent research and production staff permitted its development.

Tiolube 460 NL is heat cured, has low friction, and good corrosion resistance.

- no lead or lead compounds
- no metallics

MEETS SPECIFICATIONS:

- AS5272 (MIL-L-46010 - MIL-L-8937)
- MIL-PRF-46010
- AS1701 Class I

PHYSICAL PROPERTIES

- Color / Appearance: Grey/Black
- Lubricative Pigment: Molybdenum Disulfide (MoS₂)
- Solvent: Low VOC Blend
- Operative Temperature: -400° F to 650° F
- Flash Point: 35° F (as delivered before cure)
- Salt Spray: ASTM B117=100 hours (Passes)
- (.0005 in. Coating Thickness)
- Coverage: 800 sq. ft. Per Gallon @ 0.0005 Thickness
- Recommended Cure: Air dry 30 minutes, then bake at 400° F one hour
- Recommended Thickness: 0.0002 to 0.0005 inches
- Shelf Life (Bulk): One Year

ENDURANCE LIFE

PIN & V-FALEX BLOCKTESTER

PIN: SAE 3135, RB 87-90
- Block ANSI-C1137, RC 20-24
Pretreatment: Grit sandblast using 220 Aluminum Oxide and Phosphate per ASTM D2625
Load: 4500 lb. Gage/1000 lb. Load
Speed: 290RPM
Wear Life: 450 minutes (minimum) when lubricant is cured at 400° F for one hour
Load Carrying Capacity: 2,500 lb minimum

FLUID RESISTANCE

1. Anti-Icing Fluid
2. Reagent Water
3. Cleaning Compound, Solvent
4. Substitute Ocean Water
5. Hydraulic Fluid, Synthetic Base
6. Turbine Fuel, Kerosene Type
7. Lubricating Oil, Aircraft Turbine
8. Damping Fluid, Silicone Base
9. Lubricant, Semi-Fluid
10. Lubricant, Cleaner, Preservative
11. Lubricating Oil, Low Temp.
12. Lubricant, All Weather

MIL-A-8243
ASTM D1193, Type III
MIL-C-372
ASTM D 1141
MIL-H-46170
MIL-DTL-83133, JP-8
MIL-PRF-23699
VV-D-1078
MIL-L-46000
MIL-PRF-63460
MIL-L-14107
MIL-PRF-85336
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DESIGNED TO LUBRICATE:

- Fasteners
- Weapons
- Hydraulic Fittings
- Splines, Shafts
- Bearings
- Nuts & Bolts
- Gears
- Automotive
- Marine Hardware
- Plus more
- Military Equipment

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