

ROYCO® 481

CORROSION PREVENTATIVE COMPOUND FOR AIRCRAFT TURBINE ENGINES

ROYCO® 481 is a mineral oil based lubricant formulated with modern additives to provide oxidation and corrosion protection as well as high viscosity index for both low and high temperature fluidity. ROYCO® 481 is approved as a P-10 preservative under MIL-STD-2073-1C for use in gas turbine engines and fuel systems.

APPLICATIONS

ROYCO® 481 is recommended for lubrication of gas turbine engine components and as a flushing and preservative fluid for aircraft fuel systems and components. The high viscosity index provides for operation in a wide range of operating temperatures in high-speed turbines as well as gas turbine engines. ROYCO® 481 may also be considered as the primary turbine engine lubricant in many aircraft turbine engines designed to run on mineral based lubricants.

FEATURES AND BENEFITS

Features

- Offers outstanding rust and corrosion prevention
- Preserves turbojet engines and engine parts
- Ashless additive technology

APPROVALS AND SPECIFICATIONS

ROYCO® 481 meets all requirements of and is qualified to MIL-SPEC: MIL-PRF-6081D Amendment 1, Grade 1010 and 1010N.

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PACKAGING

ROYCO® 481 is available in 5-gallon pails and 55-gallon drums. Other package sizes may be available on special request.



TYPICAL PROPERTIES

| PROPERTIES | TEST METHOD | ROYCO® 481 |
|---|-------------|------------|
| Kinematic Viscosity, cSt (mm/s²) | | |
| @ 38.8°C | ASTM D445 | 10.15 |
| @ -40°C | ASTM D2532 | 2,446 |
| Viscosity Stability, 3 hrs, @-40°C, % change | ASTM D2532 | 0.52 |
| Flash Point, °C (°F) | ASTM D92 | 300 |
| Pour Point, °C (°F) | ASTM D97 | -62 (-79) |
| Acid Number (T.A.N.), mq KOH/g | ASTM D974 | 0.03 |
| Trace Sediment, mL / 200 mL oil | ASTM D2273 | 0.000 |
| Ash content, 1.2 UM filter, mg/L | FTM 3010 | 0.51 |
| Gravity, °API | ASTM D4052 | 29.1 |
| Pounds per Gallon | Calculated | 7.34 |
| Copper Corrosion, 100°C, 3 hours, color | ASTM D130 | 1B |
| Color, ASTM | ASTM D1500 | <0.5 |



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