

# ROYCO<sup>®</sup> 481

CORROSION PREVENTATIVE COMPOUND FOR  
AIRCRAFT TURBINE ENGINES

## Description

**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

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

## 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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PROPERTIES	TEST METHOD	ROYCO® 481
Kinematic Viscosity, cSt		
@ 37.8°C (100°F)	ASTM D445	10.15
@ -40°C (-40°F)	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

## Packaging

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

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Anderol Specialty Lubricants  
a division of Chemtura Corporation  
215 Merry Lane  
East Hanover, New Jersey 07936  
Technical Service +1.973.887.7410  
Customer Service +1.203.573.4595  
Fax +1.203.573.2324  
info-anderol@chemtura.com  
[www.anderol.com](http://www.anderol.com)