



# MIL-PRF-6081E RADCOLUBE® 6081



## **RADCOLUBE® 6081** LUBRICATING OIL, JET ENGINE

A petroleum-based, jet engine lubricating oil. The 1010 Grade is intended for use in specific models of military jet engines.

**Grade: 1010**

**Qualification Number: 95B**  
102B  
103B

**Qualification Date: 14 July 2014**  
13 May 2020  
13 May 2020

**ISO 9001:2015 Certification No: C2021-00038**

**Shelf Life: 36 Months from DOM**

**Manufactured: Batavia, IL 60510 | Cage: 6ZS16**



**PETROLEUM SERVICE COMPANY**  
[WWW.PETROLEUMSERVICECOMPANY.COM](http://WWW.PETROLEUMSERVICECOMPANY.COM)



### NATIONAL STOCK NUMBERS (NSN)

9150-00-273-2388	Quart
9150-00-273-8807	Gallon
9150-00-231-6676	55 Gallon Drum
9150-00-985-7031	Bulk

**5 Gallon Pails Available Upon Request**



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CHARACTERISTICS	REQUIREMENT	TYPICAL RESULTS	TEST METHOD
Acid Number	0.10 mgKOH/g, max	0.08	ASTM D974
Viscosity at 37.8°C at -40°C	10.0 cSt, min 3,000 cSt, max	10.3 2476	ASTM D445 ASTM D445
Viscosity Stability, % Change at 3 Hours at -40°C	2%, max	1.70%	ASTM D2532
Flash Point	132°C, min	166°C	ASTM D92
Pour Point	-57°C, max	≤ -60°C	ASTM D97
ASTM Color	5.5, max	L0.5	ASTM D1500
Copper Strip Corrosion, at 100±1°C	1, max	1B	ASTM D130
Corrosion and Oxidation Stability, at 121°C Post Test Oil Properties Viscosity Change, % Acid Number Change Sludge Volume Post Test Metal Specimen Weight Change Copper Steel Aluminum Alloy Magnesium Alloy Cadmium-Plated Steel	-5% to +20% 0.2 mgKOH/g, max No Visible Sludge  ±0.2 mg/cm <sup>2</sup> ±0.2 mg/cm <sup>2</sup> ±0.2 mg/cm <sup>2</sup> ±0.2 mg/cm <sup>2</sup> ±0.2 mg/cm <sup>2</sup>	7.00% 0.03 Pass  -0.01 0.01 0.01 0.01 -0.02	ASTM D4636; FTM 5308
Trace Sediment, mL/200mL of Oil	0.005 mL, max	0.001 mL	ASTM D2273
Workmanship	Conform	Conforms	Paragraph 3.4