



**TECHNICAL DATA SHEET FOR RADCOLUBE® 6081  
MIL-PRF-6081E W/AMENDMENT 1 GRADE 1010 LUBRICATING OIL, JET ENGINE**

Characteristics	Requirement	Result	Test Method
API Gravity at 15.6°C (60°F)	Report	33.0	ASTM D1298
Total Acid Number, mg KOH/g	0.10 max	0.04	ASTM D664
Viscosity at: 37.8°C (100°F), mm <sup>2</sup> /s -40°C (-40°F) at 35 minutes, mm <sup>2</sup> /s -40°C at 3 hours, mm <sup>2</sup> /s	10.0 min 3000 max Report	11.0 2028 2020	ASTM D445 ASTM D2532 ASTM D2532
Viscosity stability, percent change	2% max	-0.38%	ASTM D2532
Flash Point	132°C (270°F) min	162°C (324°F) min	ASTM D92
Pour Point	-57°C (-70°F) max	≤-63°C (-81°F)	ASTM D97
ASTM Color	No. 5.5 max	L0.5	ASTM D1500
Copper Strip Corrosion at 100 ± 1°C (212 ± 2°F)	1 max	1B	ASTM D130
Corrosion and Oxidation Stability at 121°C (250°F)  Post Test Oil Properties Viscosity change, percent Acid Number change Sludge volume, mL  Post Test Metal Specimen: Weight change, mg/cm <sup>2</sup> Copper Steel Aluminum alloy Magnesium alloy Cadmium-plated steel	  -5 to +20% 0.2 max 0.05 mL max  ± 0.2 max ± 0.2 max ± 0.2 max ± 0.2 max ± 0.2 max	  4.90% 0.12 0.00  0.0 0.0 0.0 0.0 0.0	ASTM D4638 Procedure B
Trace sediment, mL/200mL of oil	0.005 max	0.000	ASTM D2273
Workmanship	Pass	Pass	MIL-PRF-6081E(1) ¶ 3.4

RADCO INDUSTRIES, INC. 700 KINGSLAND DRIVE, BATAVIA, IL 60510, CAGE CODE 6ZS16

PRODUCT CODE: 6081 (20134-C)

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