



TECHNICAL DATA SHEET FOR RADCOLUBE® CLP
MIL-PRF-63460F TYPE A CLEANER, LUBRICANT, AND PRESERVATIVE FOR WEAPONS AND WEAPONS SYSTEMS

<u>CHARACTERISTICS</u>	<u>REQUIREMENT</u>	<u>TYPICAL RESULTS</u>	<u>TEST METHOD</u>
Graphite content	None	None	Paragraph 4.1.2
Ozone depleting substances (ODSs) content	None	None	Paragraph 4.2.2
Toxicity and hazardous materials content	None	None	Paragraph 4.2.3
Color and appearance	Pass	Pass	Paragraph 4.2.4
Flash Point, minimum (min)	65°C (149°F)	210°C (410°F)	ASTM D92
Pour Point, maximum (max)	-59°C (-74°F)	≤-63°C (≤-81°F)	ASTM D97
Viscosity, Kinematic, cSt (with solvent) at 40°C (104°F), min	14.0	14.4	ASTM D445
Viscosity, Kinematic, cSt (with solvent evaporated) at -40°C (-40°F), max	5,000	2,790	ASTM D445; D972
Wear Preventive Characteristics, mm max	0.8	0.64	ASTM D4172
Load Carrying Capacity, pounds min	500	1000	ASTM D5620
Corrosion Production, mg/cm ² max			Paragraph 4.3.1
Aluminum	0.2 mg/cm ²	0.00	
Brass Steel	1.0 mg/cm ²	-0.01	
Cadmium	1.5 mg/cm ²	-0.01	
Copper	1.5 mg/cm ²	-0.04	
Magnesium	0.5 mg/cm ²	0.00	
Zinc	1.5 mg/cm ²	0.02	
Chemical Agent Detector Paper	Pass	Pass	Paragraph 4.3.2
Humidity Resistance after 900 hours	Pass	Pass	ASTM D1748
Salt-spray Resistance after 100 hours	Pass	Pass	ASTM B117
Water Displacement/Stability	Pass	Pass	FTM 3007
Firing Residue Removal, min	40%	62%	Paragraph 4.5.1
Cold Temperature - Weapons Firing	Pass	Pass	Paragraph 4.5.2.6
Sand/dust environments - Weapons Firing	Pass	Pass	Paragraph 4.5.2.7
Salt-spray environment - Weapons Firing	Pass	Pass	Paragraph 4.5.2.7

* Data represents typical laboratory samples and are not guaranteed for all samples