

# MIL-PRF-63460F TY:A

## RADCOLUBE® CLP (GUN OIL)

(CLEANER, LUBRICANT, AND PRESERVATIVE)

**RADCOLUBE® CLP (GUN OIL)** is for cleaning, lubricating and short-term preservation of small and large caliber military weapons, operating in the temperature range of -51 to + 71 Degrees C (-60 to +160 Degrees F). Meets MIL-PRF-63460F TY:A, NATO Code Number S-758.



**RADCO  
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# RADCOLUBE® CLP (GUN OIL) MIL-PRF-63460F TY:A

## PROPERTY

| PROPERTY  | REQUIREMENT            | RESULTS           | VERIFICATION          |
|---|------------------------|-------------------|-----------------------|
| 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 & appearance  | Pass                   | Pass              | Paragraph 4.2.4       |
| Flash Point, minimum (min)  | 65 °C (149 °F)         | 188 °C (370 °F)   | ASTM D92              |
| Pour Point, maximum (max)   | -59 °C (-74 °F)        | -62 °C (-79.6 °F) | ASTM D97              |
| Viscosity, Kinematic, cSt (with solvent) at 40 °C (104 °F), min             | 14.0                   | 14.9              | ASTM D445             |
| Viscosity, Kinematic, cSt (with solvent evaporated) at -40 °C (-40 °F), max | 5,000                  | 2,700             | ASTM D445; D972       |
| Wear Preventive Characteristics, mm max                                     | 0.8                    | 0.64              | ASTM D4172            |
| Load Carrying Capacity, pounds min  | 500                    | PASS              | ASTM D5620            |
| Aluminum Corrosion Production, mg/cm <sup>2</sup> max                       | 0.2 mg/cm <sup>2</sup> | 0.00              | Paragraph 4.3.1       |
| Brass Steel Corrosion Production, mg/cm <sup>2</sup> max                    | 1.0 mg/cm <sup>2</sup> | -0.01             | Paragraph 4.3.1       |
| Cadmium Corrosion Production, mg/cm <sup>2</sup> max                        | 1.5 mg/cm <sup>2</sup> | -0.01             | Paragraph 4.3.1       |
| Copper Corrosion Production, mg/cm <sup>2</sup> max                         | 1.5 mg/cm <sup>2</sup> | -0.04             | Paragraph 4.3.1       |
| Magnesium Corrosion Production, mg/cm <sup>2</sup> max                      | 0.5 mg/cm <sup>2</sup> | 0.00              | Paragraph 4.3.1       |
| Zinc Corrosion Production, mg/cm <sup>2</sup> max                           | 1.5 mg/cm <sup>2</sup> | 0.02              | Paragraph 4.3.1       |
| 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 <sup>1</sup> 3007 |
| Firing Residue Removal, min   | PASS                   | PASS              | Paragraph 4.5.1       |
| Cold Temperature - Weapons Firing   | PASS                   | PASS              | Paragraph 4.2.5.6     |
| Sand/dust environments - Weapons Firing                                     | PASS                   | PASS              | Paragraph 4.2.5.7     |
| Salt-spray environment - Weapons Firing                                     | PASS                   | PASS              | Paragraph 4.5.2.7     |

## CLEANER:

Formulated to keep small and large caliber weapons performing in the harshest conditions. Exceeds U.S. Government CLP military specifications, approved for use in extreme environments including cold, salt, and dust.

## LUBRICANT:

Helps weapons perform continuously at maximum firing rate without incident. Proven in extreme conditions with a fire rate of 650 rounds/min with zero stoppages.

## PRESERVATIVE:

Trusted by the U.S. Military and approved by the U.S. Government to keep their weapons battle ready. Let RADCOLUBE CLP help protect your weapon.

## MILITARY SYMBOL: CLP

**QUALIFICATION NUMBER:**  
AR-16-10

**QUALIFICATION DATE:**  
03 OCTOBER 2016

**NATO CODE: S-758**  
**ISO 9001:2015 Certification**  
**Number: C2018-00035**

## NATIONAL STOCK NUMBERS AVAILABLE FROM RADCO

9150-01-102-1473 0.5 OZ BOTTLE (TWIST CAP)  
9150-01-079-6124 4 OZ BOTTLE (TWIST CAP)  
9150-01-054-6453 1 PINT BOTTLE (TRIGGER SPRAYER)  
9150-01-327-9631 1 LITER BOTTLE (TRIGGER SPRAYER)  
9150-01-053-6688 1 GALLON JUG

## MANUFACTURING LOCATION:

Batavia, IL 60510

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