



700 Kingsland Drive  
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[www.Radcoind.com](http://www.Radcoind.com)

## MILITARY FLUIDS

# MIL-PRF-6083G

## RADCOLUBE® RHP6083 HYDRAULIC FLUID

(Hydraulic Fluid, Petroleum Base, For Preservation and Operation)

RADCOLUBE® RHP6083 is a military-qualified, rust-inhibited petroleum hydraulic fluid consisting of synthetic hydrocarbon base oils and additives. The fluid is used both as a preservative for hydraulic systems and components as well as being an operational fluid. RADCOLUBE® RHP6083 demonstrates excellent hydraulic properties, oxidative stability and rust protection in both military and industrial/commercial applications.

Qualification Number: H-6062

Qualification Date: 09-AUGUST-2016

NATO CODE: C-635

ISO 9001:2008 Certification Number: C2015-00068

### National Stock Numbers Available From Radco

9150-00-935-9807	Quart
9150-00-935-9808	Gallon
9150-00-935-9809	5 Gallon Pail
9150-00-935-9810	55 Gallon Drum

CHARACTERISTICS	REQUIREMENT	TYPICAL RESULTS	TEST METHOD
Kinematic Viscosity, centistokes			
@ 40 °C, minimum	13 cSt	17.7 cSt	ASTM D445
@ -40 °C, maximum	800 cSt	570 cSt	ASTM D445



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@ -54 °C, maximum	3500 cSt	2950 cSt	ASTM D445
Flash Point, °C, minimum	82°C	96°C	ASTM D93
Neutralization Number, maximum	0.20 mg KOH/gm	0.18 mg KOH/gm	ASTM D664
Pour Point, °C, maximum	-59°C	-78°C	ASTM D97
Water Content	500 ppm	128 ppm	ASTM D6304
Solid Particle Contamination per 100 ml, microns			
5 to 25	10,000 max	4,670	FED STD 791D 3012
26 to 50	250 max	165	FED STD 791D 3012
51-100	50 max	30	FED STD 791D 3012
> 100	10 max	5	FED STD 791D 3012
Specific Gravity, @ 15.6 °C	Report	0.876	ASTM D1298

**Manufacturing Location: LaFox, IL 60147**