



## RADCOLUBE® AAG

700 Kingsland Drive  
Batavia, IL 60510  
Phone: 630-232-7966  
Fax: 630-232-7968  
[www.radcoind.com](http://www.radcoind.com)

## MILITARY FLUIDS

### A-A-59290

## RADCOLUBE® AAG

### (HYDRAULIC FLUID, ARRESTING GEAR)

**RADCOLUBE® AAG** is a commercial item description (CID) covers a commercially available ethylene glycol that has been modified with corrosion inhibitors. The modified glycol is generally used in aircraft arresting gear systems as a hydraulic fluid and is not interchangeable with any other type of grade of hydraulic fluid.

Approval Date: 10-SEP-2020

ISO 9001:2008 Certification Number: C2018-00035

#### Radco Part Numbers

RADAAG5                      5 Gallon Pail  
RADAAG55                    55 Gallon Drum

#### National Stock Numbers Available from Radco

9150-00-224-8729            5 Gallon Pail  
9150-00-243-1987            55 Gallon Drum

Finished Fluid Properties	Requirement	Typical Result	Test Method
Phosphate content (calculated as phosphoric acid), percent, minimum	0.56%	0.67%	Paragraph 3.3.1
pH value of a 50 percent aqueous solution (by volume) at 25° ±3°C (77° ±5°F)	7.2 to 7.8	7.5	ASTM D1287
Boiling point, minimum	165°C	174°C	ASTM D1120
Ash content, percent by weight, maximum	0.52%	0.52%	ASTM D1119
Specific gravity of undiluted material at 15.5°C/15.5°C (60°F/60°F)	1.111 to 1.123	1.121	ASTM D1122



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Viscosity at 37.7°C (100°F), centistokes, minimum	9.0	9.3	ASTM D445
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NaMBT Properties	Requirement	Typical Result	Test Method
Color	Not darker than 15	8	ASTM D1544
Specific gravity at 25°C/25°C (77°F/77°F)	1.27 ± 0.03	1.24	ASTM D1122
Suspended matter	None	None	Visual
Solubility at 25°C ± 5°C (77° ± 8°F) in:			Visual
Water after 24 hours	Soluble; slight haze, maximum	Conforms	
Ethylene glycol after 24 hours	Soluble; no haze or cloudiness	Conforms	
Water and ethylene glycol after 16 hours	Soluble; slight opalescence, maximum	Conforms	
Free alkalinity at 25° ± 3°C (77° ± 5°F), grams of NaOH per 100 mL of sample	0.05 to 0.75	0.20	ASTM D1121

Manufacturing Location: Batavia, IL 60510