

INCH-POUND

**MIL-C-87252A
AMENDMENT 1
9 June 1992**

MILITARY SPECIFICATION

COOLANT FLUID, HYDROLYTICALLY STABLE, DIELECTRIC

This amendment forms a part of MIL-C-87252A, dated 2 March 1992,
and is approved for use by all Departments and Agencies of the
Department of Defense.

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2.2, American Society for Testing and Materials (ASTM): Add the following:

**ASTM F312 – Microscopical Sizing and Counting Particles from Aerospace Fluids on
Membrane Filters**

PAGE 5

Table I, line 2: delete "@ 40° C, maximum" and substitute "@ 40° C, minimum."

Table I, line 5: delete "@ -54° C, minimum" and substitute "@ -54° C, maximum."

Table I, line 14: delete "32,000" and substitute "10,000."

Table I, line 15: delete "5,700" and substitute "1,000."

Table I, line 16: delete "1,012" and substitute "150."

Table I, line 17: delete "180" and substitute "20."

Table I, line 18: delete "32" and substitute "5."

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4.1.1, line 5: Delete "Sampling inspections, as part of" and substitute "Sampling inspection, as part of."

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4.3.3.1, line 5: Delete "Applied Chemistry" and substitute "Applied Chemistry)."

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4.4.4.1, line 2: Delete "automatic particle counter method calibrated with latex spheres" and substitute
"microscopical method ASTM F312."

AMSC N/A

1 of 2

FSC 9160

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Table IV, line 9: Delete "Corrosion and" and substitute "Corrosiveness and."

4.5.3: Delete and substitute:

"4.5.3 Solid particle examination. Particle contamination shall be measured by the use of automatic particle counters employing the light interruption principle or by the microscopical method to the limits specified in table I. The operating directions in the manual for the respective instruments shall be used."

PAGE 11

4.5.6.2, line 6: Delete "3.3.13" and substitute "3.3.10."

Add as new paragraph 5.1.1:

"5.1.1 Nonhermetically sealed containers. Fluid entering all containers shall be at cleanliness levels specified in table I (NAS Class V). Fluid tested from nonhermetically sealed containers and oblong gallons is allowed to have cleanliness levels of NAS Class VII."

Add as new paragraph following 5.1.1:

"NOTE: This relaxation in cleanliness level may compromise the dielectric strength properties of the fluid."

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Table V, line 11: Delete "@ 75° C (100° F)" and substitute "@ 75° C (167° F)."

Custodians:

Air Force - 11

Navy - AS

Army - ME

Preparing Activity:

Air Force - 11

Project No. 9160-1009

Review Activities:

Air Force - 68

Navy - SH

Army - AV, MI, AR

DLA-GS