NOT MEASUREMENT SENSITIVE

MIL-A-53009A
AMENDMENT 1
25 February 1993

MILITARY SPECIFICATION

ADDITIVE, ANTIFREEZE EXTENDER, LIQUID COOLING SYSTEMS

This amendment forms a part of MIL-A-53009A, dated 2 July 1991, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 3

3.4.3, delete in its entirety and substitute:

"3.4.3 Chloride. The chloride content of the undiluted additive shall not exceed 300 ppm when tested as specified in 4.7.2.4."

PAGE 5

4.6.3, delete in its entirety and substitute:

"4.6.3 Tests. Samples selected as specified in 4.6.1 shall be examined as specified in 4.7.2.1, 4.7.2.2, 4.7.2.3, and 4.7.2.4."

4.7.1, delete in its entirety and substitute:

"4.7.1 Examination. The antifreeze extender additive shall be examined as specified herein for the following defects. One or more defects shall be cause for rejection.

101. Material not as specified (see 3.2).
102. Workmanship not as specified (see 3.8).
103. The net contents of the sample unit container is less than 1 quart (0.95 liter).
104. The net contents of the sample container has an overfill volume greater than 1 percent of the specified unit container volume."

PAGE 6

4.7.2.4, delete in its entirety and substitute:

"4.7.2.4 Chloride. The chloride content shall be determined in accordance with ASTM D 3634. In addition to the requirements of ASTM D 3634, the additive shall be diluted to one part additive and nine parts distilled water prior to performing the test. The dilution shall be considered in the calculation for conformance to 3.4.3. A chloride content greater than that specified in 3.4.3 constitutes failure of this test."

4.8.1.3, line 2, add "One or more defects shall be cause for rejection." Renumber defects (e.g., change 104 to 105, etc).

Custodians:
Army - ME
Navy - SH
Air Force - 68

Review activities:
Army - AT, SM
DLA - GS

Preparing activity:
Army - ME

Project 6850-1125