SAE G-12 ADF Subcommittee Meeting Montréal, October 2012

4S5901 Standard

Revision 'C'

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AS5901 Standard

Water Spray and High Humidity Endurance Test Methods

for

SAE AMS 1424 and SAE AMS 1428 Aircraft De-icing/Anti-icing Fluids



Current Standard - AS5901B

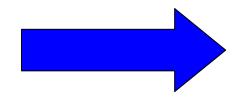
AS5901B

Published December 2010 Available on SAE Website



Next Revision AS5901 C

2012



Still in Process to Collect Suggestions for Changes



AS5901 - Next revision C Some Minor Editorial Changes

3.2 Water Spray Endurance Test

This test involves pouring the unchilled fluid onto an 10° inclined test plate at -5.0 °C \pm 0.5 °C (23 °F \pm 1 °F) and ...

4.2.1 Water Spray Endurance Test (WSET) Chamber

d. The water spray shall impinge on the surface of the test plate in the form of water droplets, which freeze on impact when both air and test plate temperatures are at -5.0 °C \pm 0.5 °C (23 °F \pm 1 °F).

6.6 Report

g. Print out showing the temperature of the test chamber, and test plate; and for the high humidity test a print out showing the relative humidity (%RH) for the duration of the tests.



AS5901 - Next revision C Some Potential Changes

✓ Review the Icing Intensity Measurement Indirect Method

5.4.2.2 Indirect Method

Mark the 10 cm x 30 cm test panels with lines at the 10 and 20 cm points. On completion of test, scrape the ice from each third in turn and weigh it.

Question:

Is this method reliable?

>AMIL will be doing comparative test vs Direct Method, results will be presented



AS5901C - Ballot

Ballot of Revision C planned for end 2013



AS5901 Next revision C

Suggestions for the next revision? Contact me

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