SMI, Inc.

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Attn: John Roudebush
Ecolink, Inc.
PO Box 9
Tucker GA 30085

Date: 17-Oct-2005

SMI/REF: 05SEP973

Product: **ECOLINK 3005** *Batch #: 05256D3005*
(received 05-Oct-2005, additional cans received 10-Oct-2005)

Dilution: Ready to use

BOEING D6-17487 REVISION P
Solvent Cleaners; General Cleaning

Sandwich Corrosion Test	Conforms
Paint Softening Test	Conforms
Hydrogen Embrittlement Test	Conforms
Stress Corrosion Cracking	Conforms

Respectfully submitted,

Patricia D. Viani, SMI, Inc.

Sandwich Corrosion Test : Specimen preparation, testing, and interpretation shall be in accordance with ASTM F1110 using the following materials and with the following exceptions:

1. Reagents and materials exception:
   (1). Clad 7075-T6 aluminum alloy in accordance with QQ-A-250/13 (AMS 4049 or AMS-QQ-A-250/13 optional) (2024-T3 Alclad specimens are neither required nor optional.)
   (2) Bare 7075-T6 aluminum alloy in accordance with QQ-A-250/12 (AMS 4045 or AMS-Q-A-250/12 optional) anodized in accordance with BAC 5019 or MIL-A-8625, Type I. Anodize shall be sealed. (2024-T3 nonclad specimens are neither required nor optional).
   (3) Distilled or deionized water may be used in place of ASTM F1193, Type IV reagent grade water for control specimens.
   (4) The filter paper may be Whatman No. 5 or equivalent in place of Whatman GFA glass fiber paper.
2. Procedure exceptions:
   (1) The filter paper strips shall be 1 by 3 inches and shall be placed in the center of the sandwiched specimens.
   (2) Each sandwich specimen shall be held together with waterproof tape, with no more than 1 piece of tape (maximum width 0.75 inch) on each of two opposite edges.
3. Interpretation of result exceptions:
   (1) Leaching or lightening of the chromate sealed anodize coating shall not be cause for rejection.
   (2) Deposits or residues from the material being tested that are not products of corrosion of the test panel surface shall not be cause for rejection.
   (3) Special procedure for evaluation of fire extinguishing foams and liquids.
   (4) Panels shall have a rating of 1 (no more than 5 percent of the surface area shall be corroded) or better in accordance with ASTM F 1110. The preferred method of determining the corroded area is by using image analysis. Other means approved by the purchaser may be substituted.
   (5) Any corrosion in excess of that shown by the control group shall be cause for rejection.

	Bare 7075-T6 (AMS 4045) Anodized per BAC 5019 (Type 3 chromate seal)	Clad 7075-T6 Aluminum (AMS 4049)
PRODUCT	**1**	**1**
Control	1	1

Result Conforms

Paint Softening Test Procedure:

a. Testing shall be in accordance with ASTM F502 using the following coating systems.
   (1) BMS 10-79, Type II primer applied in accordance with BAC 5882 plus BMS 10-60, Type II enamel in accordance with BAC 5845.
   (2) BMS 10-79, Type III primer applied in accordance with BAC 5882, plus BMS 10-100 coating in accordance with BAC 5795.

b. Three specimens conforming to Section 13a.(1) and three specimens conforming to Section 13a(2) shall be used for each test condition.

c. The material being tested shall not produce a decrease in film hardness greater than two pencils, or any discoloration or staining. NOTE: Slight darkening of the BMS 10-100 surface is acceptable.

As received: ***Paint system 1:*** ***0 pencil hardness change after 24 hour post-exposure dry time.***
Paint system 2: ***0 pencil hardness change after 24 hour post-exposure dry time.***

Result Conforms

Hydrogen Embrittlement Test:

Hydrogen Embrittlement testing shall be in accordance with ASTM F 519-93, using cadmium plated Type 1a, 1c, or 2a specimens. All requirements of ASTM F519-93 for specimens, preparation, testing, and reporting shall apply. Type 1a specimens shall meet the requirements of D6-4307.

Specimens: Type 1c, cadmium plated per Treatment B of ASTM F519. (45% load, 150 hours, notched immersed for the duration, room temp.)

As received: ***#1: No failure within 150 hours.***
#2: No failure within 150 hours.
#3: No failure within 150 hours.

Result Conforms

Stress Corrosion Cracking:

Procedures for specimen preparation, testing and reporting shall be in accordance with ASTM F 945 with the following exceptions:

a. Reagent Materials

(1) This test applies to all Titanium and Titanium alloys used in production.
(2) Controls shall be run using methyl ethyl ketone (MEK) in accordance with ASTM D 740, Type I.
(3) Distilled or deionized water may be used instead of ASTM D 1193, Type IV.

b. Procedures:

(1) A minimum of three (3) specimens shall be tested for each material condition and solution to be considered.
(2) Method A is preferred but Method B is optional. In both cases care shall be taken to avoid surface contamination before and during testing.

Control (Methy ethyl ketone)

AMS 4911 - #1: No cracking evident.
#2: No cracking evident.
#3: No cracking evident.

AMS 4916 - #1: No cracking evident.
#2: No cracking evident.
#3: No cracking evident.

Salt control

AMS 4911 - #1: Cracking evident.
#2: Cracking evident.
#3: Cracking evident.

AMS 4916 - #1: Cracking evident.
#2: Cracking evident.
#3: Cracking evident.

Product

AMS 4911: #1: No cracking evident.
#2: No cracking evident.
#3: No cracking evident.

AMS 4916: #1: No cracking evident.
#2: No cracking evident.
#3: No cracking evident.

Result Conforms

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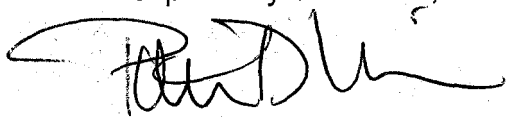
Dilution: Ready to use

Dielectric Breakdown per ASTM D 877
Oil testing hypot model 4521

Dielectric breakdown occurred at ___20,500 (@500 vps)___ *volts.*

Respectfully submitted,



Patricia D. Viani, SMI Inc.