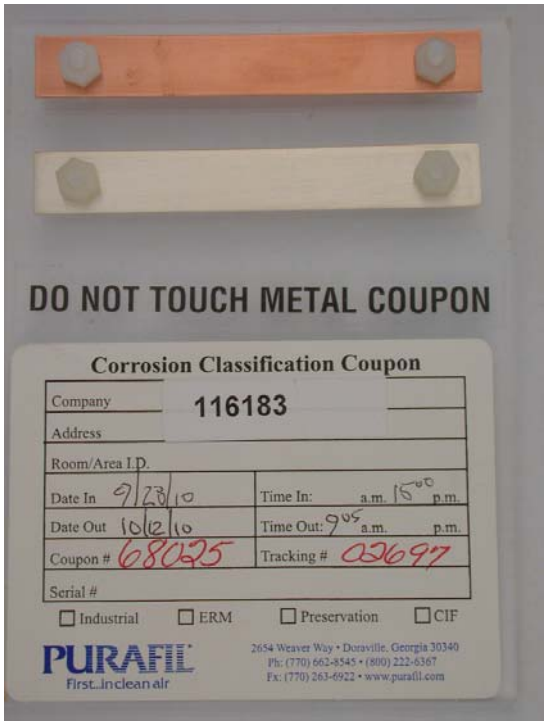
PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

21-Oct-2010

Company: 116183

Room Area ID:
Reference #:

Sales Order #: C002697
CCC Panel #: P68025
Date In: 28-Sep-2010
Date Out: 12-Oct-2010
Days In Service: 14



CCC Panel # P68025

ISA Class G2
Moderate

Copper Corrosion
333 Å/30 Days

Silver Corrosion
321 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68025

The electrolytic reduction analysis on Corrosion Classification Coupon #P68025 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:
Environmental Health and Eng
117 Fourth Avenue, Needham MA 02494, USA
tminegishi@eheinc.com

PURAFIL CCC # P68025 Analysis Results

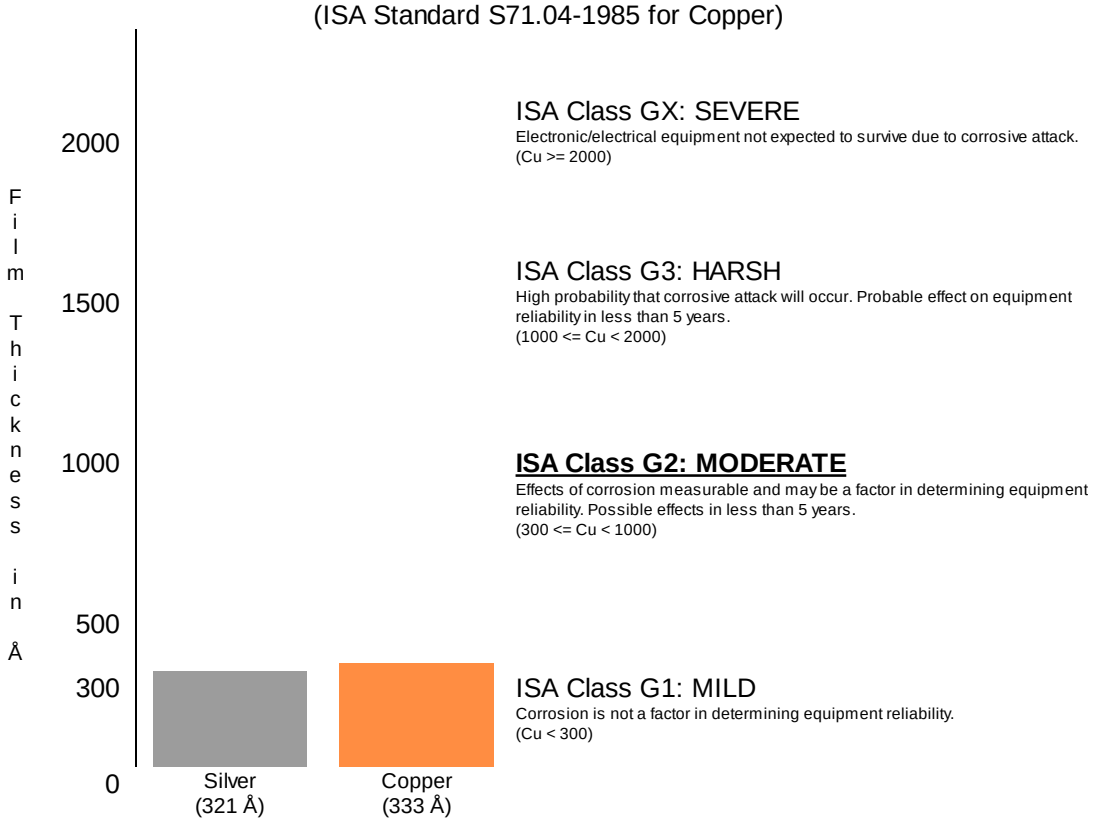
Corrosion Film Composition

	Projections 30 Days	1 Year	5 Year
Copper Films			
Cu_2S	0 Å	0 Å	0 Å
Cu_2O	169 Å	225 Å	294 Å
Unknowns	164 Å	218 Å	286 Å
Totals	333 Å	443 Å	580 Å
Silver Films			
AgCl	0 Å	0 Å	0 Å
Ag_2S	321 Å	3904 Å	19522 Å
Unknowns	0 Å	0 Å	0 Å
Totals	321 Å	3904 Å	19522 Å

Gold Pore Corrosion:
Note: 1000 Å = 0.1 micron

Gold Coupon - Magnified 20x

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)



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