PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

28-Oct-2010

Company: 116165

Sales Order #: C002697
CCC Panel #: P68012
Date In: 24-Sep-2010
Date Out: 07-Oct-2010
Days In Service: 13

Room Area ID:
Reference #:

CCC Panel # P68012

ISA Class G2
Moderate

Copper Corrosion
490 Å/30 Days

Silver Corrosion
2849 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68012

The electrolytic reduction analysis on Corrosion Classification Coupon #P68012 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 # P68012 Analysis Results

Corrosion Film Composition

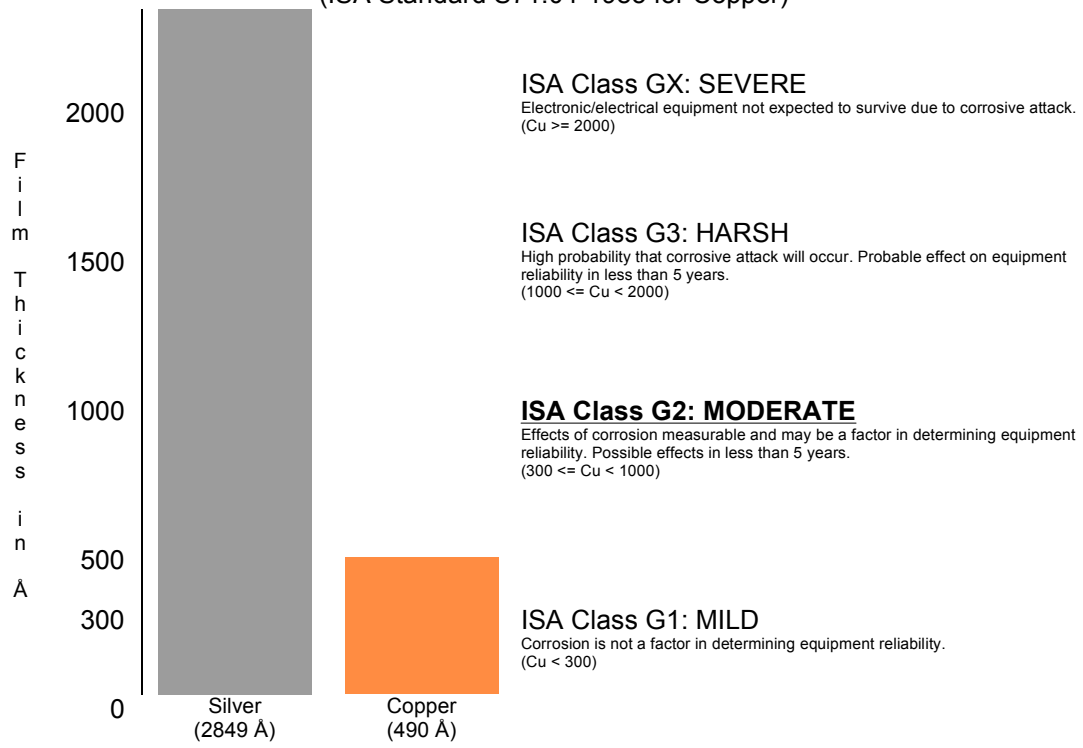
	Projections 30 Days	1 Year	5 Year
Copper Films			
Cu_2S	346 Å	693 Å	1185 Å
Cu_2O	144 Å	288 Å	493 Å
Unknowns	0 Å	0 Å	0 Å
Totals	490 Å	981 Å	1678 Å
Silver Films			
AgCl	0 Å	0 Å	0 Å
Ag_2S	2849 Å	34689 Å	173445 Å
Unknowns	0 Å	0 Å	0 Å
Totals	2849 Å	34689 Å	173445 Å
Gold Pore Corrosion:			

Note: 1000 Å = 0.1 micron

Gold Coupon - Magnified 20x

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



Displaying Page 2 Display Page 1