

PURAFIL ENVIRONMENTAL CORROSION REPORT

17-Dec-2010

Company: 116739

Sales Order #: C002726

CCC Panel #: P68783

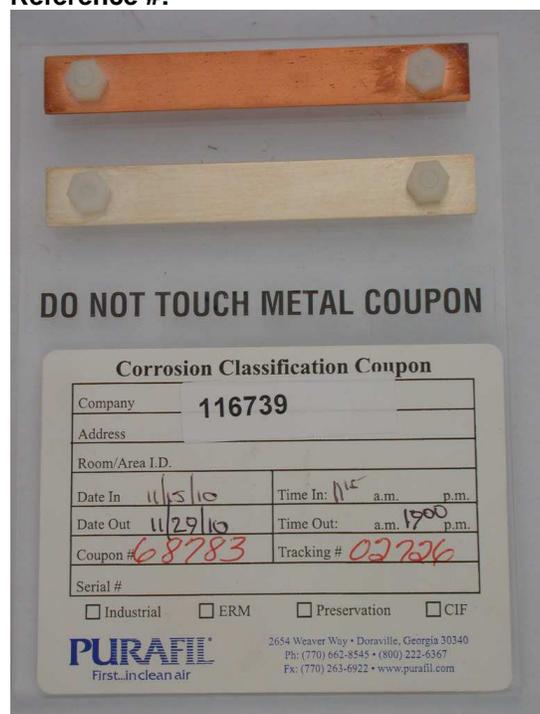
Date In: 15-Nov-2010

Date Out: 29-Nov-2010

Days In Service: 14

Room/Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	116739		
Address			
Room/Area I.D.			
Date In	11/5/10	Time In:	11 ⁰⁰ a.m.
Date Out	11/29/10	Time Out:	1:00 p.m.
Coupon #	68783	Tracking #	02726
Serial #			
<input type="checkbox"/> Industrial <input type="checkbox"/> ERM <input type="checkbox"/> Preservation <input type="checkbox"/> CIF			


 2654 Weaver Way • Doraville, Georgia 30340
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CCC Panel # P68783

ISA Class G2 Moderate

Copper Corrosion 490 Å/30 Days
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Silver Corrosion 291 Å/30 Days
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(see next page for complete analysis)

Summary for PURAFIL CCC # P68783

The electrolytic reduction analysis on Corrosion Classification Coupon #P68783 shows the presence of moderate concentrations of contaminants and high/variable humidity in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb, sulfur dioxide between 10 and 100 ppb, and chlorine between 1 and 2 ppb. The presence of moisture and small amounts of inorganic chlorine compounds greatly accelerates sulfide corrosion. 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

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Email: purafil@purafil.com / Internet: http://www.purafil.com

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PURAFIL CCC # P68783 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	244 Å	494 Å	845 Å	
Unknowns	246 Å	498 Å	852 Å	
Totals	490 Å	992 Å	1697 Å	
Silver Films				
AgCl	62 Å	757 Å	3785 Å	
Ag ₂ S	160 Å	1952 Å	9761 Å	
Unknowns	69 Å	840 Å	4201 Å	
Totals	291 Å	3549 Å	17747 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

