

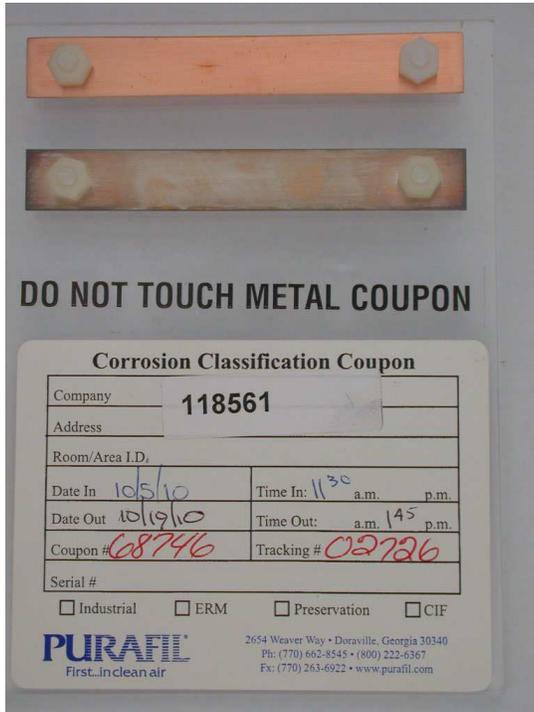
# PURAFIL ENVIRONMENTAL CORROSION REPORT

10-Nov-2010

Company: 118561

Sales Order #: C002726  
 CCC Panel #: P68746  
 Date In: 05-Oct-2010  
 Date Out: 19-Oct-2010  
 Days In Service: 14

Room/Area ID:  
 Reference #:



**DO NOT TOUCH METAL COUPON**

Corrosion Classification Coupon	
Company	118561
Address	
Room/Area I.D.	
Date In	10/5/10
Date Out	10/19/10
Coupon #	68746
Tracking #	02726
Time In:	11 <sup>30</sup> a.m. p.m.
Time Out:	a.m. 1 <sup>45</sup> p.m.
Serial #	
<input type="checkbox"/> Industrial <input type="checkbox"/> ERM <input type="checkbox"/> Preservation <input type="checkbox"/> CIF	
	
2654 Weaver Way • Doraville, Georgia 30340 Ph: (770) 662-8545 • (800) 222-6367 Fx: (770) 263-6922 • www.purafil.com	

**CCC Panel # P68746**

**ISA Class G2**  
 Moderate

**Copper Corrosion**  
 380 Å/30 Days

**Silver Corrosion**  
 842 Å/30 Days

(see next page for complete analysis)

### Summary for PURAFIL CCC # P68746

The electrolytic reduction analysis on Corrosion Classification Coupon #P68746 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

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Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922  
 Email: purafil@purafil.com / Internet: http://www.purafil.com

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**PURAFIL CCC # P68746 Analysis Results**

<b>Corrosion Film Composition</b>				<b>Gold Coupon - Magnified 20x</b>
	Projections			
	30 Days	1 Year	5 Year	
<b>Copper Films</b>				
Cu <sub>2</sub> S	0 Å	0 Å	0 Å	
Cu <sub>2</sub> O	261 Å	349 Å	456 Å	
Unknowns	119 Å	159 Å	208 Å	
Totals	380 Å	508 Å	664 Å	
<b>Silver Films</b>				
AgCl	0 Å	0 Å	0 Å	
Ag <sub>2</sub> S	842 Å	10249 Å	51245 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	842 Å	10249 Å	51245 Å	
<b>Gold Pore Corrosion:</b>				
Note: 1000 Å = 0.1 micron				

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

