2/3/2011 CCC - P68843

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Jan-2011

Company: 120322

Room/Area ID: Reference #:



 Sales Order #:
 C002726

 CCC Panel #:
 P68843

 Date In:
 30-Nov-2010

 Date Out:
 14-Dec-2010

Days In Service: 14

CCC Panel # P68843

ISA Class G2 Moderate

Copper Corrosion 342 Å/30 Days

Silver Corrosion 561 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68843

The electrolytic reduction analysis on Corrosion Classification Coupon #P68843 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, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

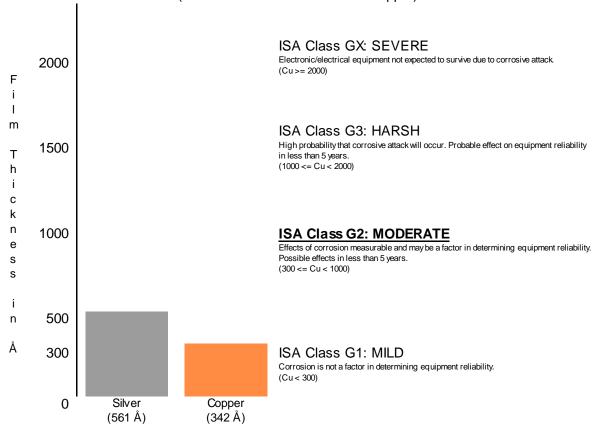
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PURAFIL CCC # P68843 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	<u>30 Days</u>	1 Year	<u>5 Year</u>	J
Copper Films Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	202 Å	270 Å	353 Å	
Unknow ns	140 Å	187 Å	244 Å	
Totals	342 Å	457 Å	597 Å	
Silver Films AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	561 Å	6833 Å	34163 Å	
Unknow ns	0 Å	0 Å	0 Å	
Totals	561 Å	6833 Å	34163 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



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