PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

28-May-2010

Company: 110458

Room Area ID: Reference #:



 Sales Order #:
 C002682

 CCC Panel #:
 P67422

 Date In:
 06-May-2010

 Date Out:
 20-May-2010

Days In Service: 14

CCC Panel # P67422

ISA Class G2 Moderate

Copper Corrosion 339 Å/30 Days

Silver Corrosion 602 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67422

The electrolytic reduction analysis on Corrosion Classification Coupon #P67422 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

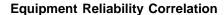
tminegishi@eheinc.com

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

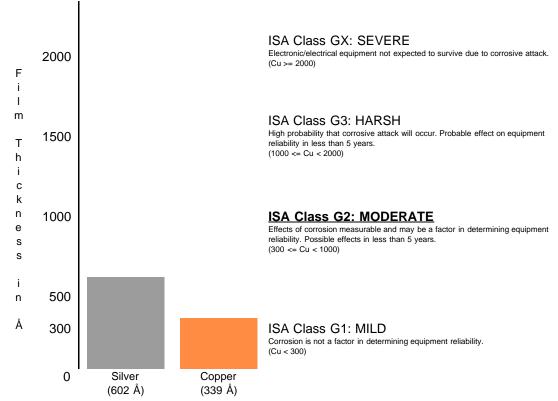
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PURAFIL CCC # P67422 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	<u>30 Days</u>	1 Year	<u>5 Year</u>	
Copper Films Cu ₂ S	214 Å	285 Å	373 Å	
Cu ₂ O	125 Å	167 Å	218 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	339 Å	452 Å	591 Å	
Silver Films AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	535 Å	6515 Å	32577 Å	
Unknowns	67 Å	812 Å	4061 Å	
Totals	602 Å	7327 Å	36638 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				



(ISA Standard S71.04-1985 for Copper)



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