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Evaluation of Cadillac Packaging Foil

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Project #: 17-176-1125

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Background: Customer is currently using a mil spec'd foil produced by Cadillac Products Packaging Company. First, the customer places their metal parts in a VCI bag and then places that bag into the foil bag and sealed. This step could be eliminated, however, if the customer uses Corrlam, which consists of VpCI-126 film laminated to aluminum foil.

Sample Received: Mil Spec Foil, MIL-PRF-131K, Class1, made by Cadillac Products Packaging Co. received on 9-14-17 in good condition.

Method: VIA Test, CC-027
Razor Blade Test, CC-004*
*Cortec Laboratories, Inc. is not accredited for the test(s) marked.

Materials: VIA test kit
Razor blade test kit
Glycerol (lot #Q10A018)
Methanol, ACS grade (lot #032916C)
Oven set for 40°C (oven #10)
Plain polyethylene film (control film)

Procedure: The testing was conducted according to standard procedures for each test.

Results:


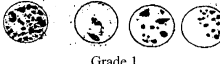
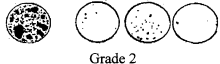
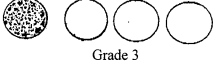
Razor Blade Test- Carbon Steel Panels

Sample	Panel #1	Panel #2	Panel #3	End Result
Submitted Foil	Fail	Fail	Fail	Fail
Control	Fail	-	-	Fail

VIA Test

Sample	Plug #1	Plug #2	Plug #3	End Result
Submitted Foil	Grade 0	Grade 0	Grade 0	Fail
Control	Grade 0	-	-	Fail

VIA Test Grades (Grade 2 or 3 are passing)
All three plugs must be grade 2 or better to pass the test

		
		Grade 0
Grade 0:	Blind test No corrosion inhibiting effect	
Grade 1:	Blind test Minute corrosion inhibiting effect	Grade 1
Grade 2:	Blind test Medium corrosion inhibiting effect	
Grade 3:	Blind test Good corrosion inhibiting effect	Grade 2
		
		Grade 3

Interpretations: The submitted foil does not provide any corrosion protection. Cortec's product Corrlam is laminated with VpCl-126 film, and regularly passes the VIA and razor blade test. Using Corrlam would eliminate the customers need to package their parts in first in foil.