

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 04/02/2003

Experimenters: Jason Marshall

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Oil

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric

Purpose: Laboratory evaluations of alternative cleaning products

Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.
Cleaning: 5 min Immersion cleaning with stir-bar agitation @ 120 F
Rinsing: 1/2 min, manual, in 102 F water (tap)
Drying: 30 seconds air blow off, 68 F
Contaminant: Citgo Quench Oil 22 CAS# 64741-89-5, 8052-42-4

Results:

Summary:

Substrates:		Aluminum				
Contaminants:		Oil				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Florida Chemical Company	Citrus Burst 7	100	36.68	<input type="checkbox"/>		
Florida Chemical Company	D-Limonene	100	87.20	<input type="checkbox"/>		
AG Environmental Products	Canola Gold CE110	100	12.14	<input type="checkbox"/>		
AG Environmental Products	Soy Clear 1500	100	-2.38	<input type="checkbox"/>		
Vertec BioSolvents	Take Off Green	100	97.80	<input checked="" type="checkbox"/>	These were wiped clean also	
Vertec BioSolvents	Paint stripper	100	-5.74	<input type="checkbox"/>		
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	-4.64	<input type="checkbox"/>		
Pentone Corporation	Citrikleen XPC	100	74.88	<input type="checkbox"/>		
Finger Lakes Chemical	2-22 D Limonene Industrial Cleaner	100	2.14	<input type="checkbox"/>		

Conclusion: After cleaning, wiping was performed to see if efficiencies would increase significantly. Trial 257 shows these results.