

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.