

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003
 DateRun: 03/31/2003
 Experimenters: Jason Marshall
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Aluminum
 PartType: Coupon
 Contaminants: Greases
 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: grease, Daubert Chemical Company, Tectyl 891 class 1 Cosmoline CAS# 8052-41-3, 68

Results:

Summary:

Substrates:		Aluminum			
Contaminants:		Greases			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Florida Chemical Company	Citrus Burst 7	100	98.02	<input checked="" type="checkbox"/>	
Florida Chemical Company	D-Limonene	100	99.93	<input checked="" type="checkbox"/>	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	50.50	<input type="checkbox"/>	Film left on coupons. When wiped coupons efficiency was increased to 88.97
Pentone Corporation	Citrikleen XPC	100	97.77	<input checked="" type="checkbox"/>	
Inland Technologies Inc	Citrasafe	100	98.92	<input checked="" type="checkbox"/>	
EcoLink	Vortex	100	99.06	<input checked="" type="checkbox"/>	

Conclusion: