

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2001

DateRun: 12/17/2001

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

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 at 120 F with stir-bar agitation. Rinsing : 1/2 min, manual in water at 120 F
Drying : Drying at room temperature for 16 hrs.
Contaminant : Castrol Inc. -Braycote Perfluoropolyether High Temperature lubricating grease.

Results: There was increase in weight of some coupons. This is due to the fact that grease was not removed at all from the coupons and it retained the water.

Summary:

Substrates:		Stainless Steel				
Contaminants:		Greases				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Alconox Inc	Alcojet	1	2.15	<input type="checkbox"/>		
Buckeye International	Shopmaster FF	5	1.15	<input type="checkbox"/>		
Buckeye International	Shopmaster HP	5	1.88	<input type="checkbox"/>		
Buckeye International	Shopmaster LPH	5	3.48	<input type="checkbox"/>		
Calgon Corporation	SC 431	5	2.99	<input type="checkbox"/>		
Buckeye International	Immersion Cleaner	5	2.94	<input type="checkbox"/>		
Brulin Corporation	Aquavantage 1400	5	2.75	<input type="checkbox"/>		

Conclusion: Failure of all the cleaners.