

# 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:

<b>Substrates:</b>	Stainless Steel				
<b>Contaminants:</b>	Greases				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
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.