

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/09/2002

Experimenters: Heidi Wilcox

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 cleaning with stir-bar agitation @ 120 F  
Rinsing: 1/2 min, manual, in 102 F water (tap)  
Drying : 1 min with heat gun @ 500F  
Contaminant : Elf Lubricants, Keystone KSL 111 Synthetic Tacky Grease (spray)

## Results:

### 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>
Kleer Flo Company	Grease Off 2	5	97.38	<input checked="" type="checkbox"/>	
Valtech Corporation	Valtron SP 2201	2	91.95	<input checked="" type="checkbox"/>	
Valtech Corporation	Valtron SP 2200	2	92.04	<input checked="" type="checkbox"/>	
Permatex Industrial Corporation	Natural Blue	5	91.84	<input checked="" type="checkbox"/>	
International Products Corporation	LF 2100 (Liquid Foam Cleaner)	5	87.55	<input checked="" type="checkbox"/>	
US Polychem Corporation	Polychem PW 147	5	79.57	<input type="checkbox"/>	This cleaner was not effective on the Tacky Spray Grease

Conclusion: All Cleaners were effective except U.S. Polychem PW-147 cleaner (79.57 average % removal)