CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 04/01/2003

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Lubricating/Lapping Oils

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 Novastone Safeguard 6 Food machinery Lube oil CAS# 64742-47-8, 8042-47-

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Lubricating/Lapping Oils				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Florida Chemical Company	Citrus Burst 7	100	58.04	☐	
Florida Chemical Company	D-Limonene	100	72.40	☐	Could increase efficiency by increasing time or changing rinsing and/or drying method
AG Environmental Products	Canola Gold CE110	100	-22.18	☐	
AG Environmental Products	Soy Clear 1500	100	-22.84	☐	
Vertec BioSolvents	Paint stripper	100	38.67	☐	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	-23.87	☐	
Pentone Corporation	Citrikleen XPC	100	65.64	☐	Increase efficiency by increasing time of cleaning or by changing rinsing and drying method
Vertec BioSolvents	Take Off Green	100	93.99	☑	

Conclusion: