CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 03/31/2003

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Cutting/Tapping Fluids

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: Steco Corp, Tap Magic Protap
CAS# 112-80-1, 112-62-9

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Cutting/Tapping Fluids				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Metabolix Inc	Metabolix E3HB	100	2.66	☐	
Florida Chemical Company	Citrus Burst 7	100	0.12	☐	
Brulin Corporation	Nature Sol 100	100	45.63	☐	Adjust time for increased efficiency. Looks ike could peel off coating
Twin Rivers Technologies	Methyl Ester 1618	100	-2.40	☐	looks as if could peel coating off
AG Environmental Products	Soy Clear 1500	100	-13.66	☐	
Vertec BioSolvents	Paint stripper	100	-17.43	☐	coul peel off coating
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	-21.50	☐	wipe
Inland Technologies Inc	Citrasafe	100	45.16	☐	Increase time for effective removal
Pentone Corporation	Citrikleen XPC	100	66.79	☐	Wiped coupon
Vertec BioSolvents	Take Off Green	100	8.36	☐	

Conclusion: