CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 03/13/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Cutting/Tapping Fluids, Lubricating/Lapping Oils, Waxes

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 at 120 F with stir-bar agitation
Rinsing: 1/2 min. manual with water at 120 F.
Drying: Left for air drying for 17 hours
Contaminant:
1. Paraffin wax: Stevenson Bro & Co. Inc. - Petroleum wax
2. Citco cutting oil NC 425
Cas #: 64742-65-0, 64741-88-4, 64741-89-5, 64742-54-7
3. Lubricating Oil: Nevastane Safeguard-6: ELF Lubricants
Cas #: 64742-47-8, 8042-47-5, 9003-29-6

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Cutting/Tapping Fluids, Lubricating/Lapping Oils, Waxes				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Chemical Technologies	Green Thunder	5	0.01	☐	Contaminant: Wax
CRC Industries	Complex Blue	5	0.01	☐	Contaminant: Wax
AJ Associates	Dynadet	100	-4.88	☐	Contaminant: Wax
United Laboratories International	United 450 All Clear	5	0.51	☐	Contaminant: Wax
AJ Associates	Dynadet	100	98.05	☑	Contaminant: Cutting Oil
Tarksol Inc	Tarksol HTF 60	100	96.51	☐	Contaminant: Lubricating oil
AJ Associates	Dynadet	100	98.26	☑	Contaminant: Lubricating oil

Conclusion: