CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 10/08/2003

Experimenters: Dave Hout

ClientType: Lab

ProjectNumber: Project #1

Substrates: Brass

PartType: Coupon

Contaminants: Buffing/Polishing Compounds

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.

Two products were used at full strength at room temperature and four were heated to 130 F on a hot plate. Twenty-four preweighed coupons were coated with Jackson Lea Antique Buffing Compound (cm-12) and allowed to dry for a half an hour and reweighed. Three coupons were cleaned in each solution for 5 minutes using stir-bar-agitation, rinsed in a tap water bath for 15 seconds at 120 F and dried using air blow off for 30 seconds at 68 F. Coupons were allowed to dry for a half an hour and then reweighed a final time. Efficiencies were calculated.

Results:

Summary:

Substrates:	Brass				
Contaminants:	Buffing/Polishing Compounds				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Magnaflux	Daraclean 235	5	79.17	☐	
Today & Beyond	Beyond 2003	5	88.81	☑	
Transene Company, Inc.	D Greeze 1000	100	74.49	☐	
Hubbard Hall Inc	Aquasonic 201	5	59.95	☐	
Man Gill Chemical Company	Gillite 0650 Cl	5	72.91	☐	
Man Gill Chemical Company	Gillite 1156	100	-3.32	☐	

Conclusion: Beyond 2003 was the only effective cleaner at an efficiency rate of over 85%.