CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 10/28/2003

Experimenters: Dave Hout

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.

One product was used at full strength at room temperature and seven products were heated to 130 F on a hot plate. Twenty-four preweighed coupons were coated with Grease Dauberyt Chemical co Tectyle 891 Class I Cosmoline 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:	Stainless Steel				
Contaminants:	Greases				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Man Gill Chemical Company	Gillite 1156	100	3.77	☐	
Man Gill Chemical Company	Gillite 0650 Cl	5	28.88	☐	
AW Chesterton	217 Pressure wash	5	0.74	☐	
Alconox Inc	Liquinox	5	19.56	☐	
Bio Chem Systems	Bio T Parts Washer NR	5	92.39	☑	
Buckeye International	XL 100 Cleaner & Degreaser	5	91.42	☑	
Today & Beyond	Beyond 2003	5	41.33	☐	
US Polychem Corporation	Polychem A 2000 P	5	18.65	☐	

Conclusion: Only two products were effective at an efficiency rate of over 90%.