CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2008

DateRun: 04/10/2008

Experimenters: Ephraim Massawe

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Buffing/Polishing Compounds

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric

Purpose: Removing buffing compund from the surface of aluminum

Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.

Products were based on the compatibility of substrate and removal of foreign substance. Used 5% concentration and heated the samples at 135F. The coupons were immersed in a product for 5 minutes, rinsed for 30 seconds in tap water at 120F and dried in 30 seconds.

Results:

Cleaner	Initial wt	Final wt	% Removed
ozzy sw-3			
	0.4427	0.0221	95.01
	0.2433	0.0276	88.66
	0.3277	0.0382	88.34
sea wash blue			
	0.4979	0.0092	98.15
	0.4785	0.0165	96.55
	0.3594	0.0184	94.88
ozzy sw-1			
	0.3148	0.0576	81.70
	0.4314	0.0521	87.92
	0.3486	0.0475	86.37
nab 9000			
	0.5169	0.0864	83.28
	0.3653	0.0444	87.85
	0.4019	0.0272	93.23
california parts washer			
	0.4907	0.0051	98.96
	0.7297	0.0049	99.33
	0.4705	0.0064	98.64
valtron sp 2275			
	0.3918	0.0847	78.38
	0.3723	0.0998	73.19
	0.6877	0.0554	91.94

Summary:

Substrates:	Aluminum				
Contaminants:	Buffing/Polishing Compounds				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Innovative Organics Inc	Amberclean L 12	5	25.88	☐	
Chemical Technologies	Green Thunder	5	76.76	☐	
Alconox Inc	Detergent 8	5	82.28	☐	
ITW Fluid Products Group	AccuClean	5	52.98	☐	

Conclusion: None of the products tested surpassed the passing removal rate of 85% or higher.