CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2009

DateRun: 02/08/2009

Experimenters: Johanna Oviedo

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Greases

Cleaning Methods: Immersion/Soak

Analytical Methods: Visual

Purpose: To test nontoxic industrial cleaning solutions for oil removal

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

Products were selected based on the compatibility of substrate and removal of foreign substance. Used 10% concentration and heated the samples at 135F. The steel coupons were immersed in a product for 5 minutes, rinsed for 30 seconds in tap water at 120F and dried in 30 seconds using compressed air is room temperature.

Results:

Cleaner	Initial wt	Final wt	% Removed
Kyzen Corporation, Industrial Floor			
	0.1275	0.0307	75.92
	0.1276	0.1013	20.61
	0.2384	0.0604	74.66
Vertec BioSolvents			
	0.1113	0.0193	82.66
	0.2803	0.0046	98.36
	0.2909	0.0440	84.87
Seventh Generation			
	0.2615	0.0364	86.08
	0.1409	0.0276	80.41
	0.2068	0.0377	81.77
Sky Product Cleaner			
	0.0516	0.0316	38.76
	0.3475	0.0810	76.69
	0.2288	0.0231	89.90

Summary:

Substrates:	Stainless Steel				
Contaminants:	Greases				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Kyzen Corporation	Industrial Floor Cleaner 11	10	57.07	☐	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	10	88.63	☑	
Seventh Generation	Free & Clear All Purpose	10	82.75	☐	
Sky Products Company Inc	Cleaner #10	10	68.45	☐	

Conclusion: One product removed over 85% of the grease from stainless steel using immersion cleaning.