CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2008

DateRun: 11/03/2008

Experimenters: Johanna Oviedo

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Oil

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric

Purpose: To test nontoxic industrial cleaning solution for oil removal.

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

Products were selected based in the compatibility of substrate and removal of foreign substance. Used 10% of concentration and heated the samples at 135 F. The coupons were immersed in a product for 5 minutes, dried in 30 seconds using compressed air is room temperature. The contaminated coupons were weighed again to determine the amount of soil added. After cleaning process, the final weights were recorded, efficiencies were calculated and recorded.

Results:

Cleaner	Initial wt	Final wt	% Removed
Kyzen Corporation Optisol Op7432			
	0.5136	0.4399	14.36
	0.3518	0.1498	57.42
	0.2410	0.0542	77.51
Kyzen Corporation Optisol Op7168			
	0.5370	0.2175	59.50
	0.3416	-0.0283	108.28
	0.3664	-0.0275	107.51
Brulin Corporation,Metalnox			
	0.1288	0.0088	93.17
	0.1883	0.0096	94.90
	0.1045	0.0059	94.35

Summary:

Substrates:	Stainless Steel				
Contaminants:	Oil				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Kyzen Corporation	Optisolv OP7432	10	49.76	☐	
Kyzen Corporation	Optisolv OP7168	10	91.76	☑	
Brulin Corporation	Compliance	10	94.14	☑	

Conclusion: The Optisol Op7432 cleaned better than the others.