CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1999

DateRun: 04/01/1999

Experimenters: Jason Marshall

ClientType: Vessel Cleaning Company

ProjectNumber: Project #2

Substrates:

PartType: Coupon

Contaminants: Resins/Rosins

Cleaning Methods: Immersion/Soak

Analytical Methods: Shake method, Visual

Purpose: To find other alternative cleaners for the cleaning of phenolic resin.

Experimental Procedure: Five products were selected for the cleaning trial based on vendor information. Twenty-five milliliters of each cleaner were poured into a 30 mL vial. The contaminant was placed into each beaker. Each vial was covered with the supplied cap and shaken for 30 seconds. Observations were recorded. The shaking and observation cycle was repeated.
SUBSTRATE MATERIAL: None
CONTAMINANTS: Phenolic based Resin

Results: After 30 minutes of soaking, only one product showed signs of dissolving the resin. Table 1 lists the observations made during the trial.

Table 1. Cleaning Observations

Cleaner	SI NO 4	SI NO 8	HD 34	Methyl Ester	Soy Gold 2000
5 minutes	no dissolving	no dissolving	no dissolving	no dissolving	no dissolving
30 minutes	no dissolving	no dissolving	possible	no dissolving	no dissolving
1 hour	no dissolving	no dissolving	some	no dissolving	no dissolving
2 hours	no dissolving	no dissolving	solution turning a brght red color	no dissolving	no dissolving
3 days	no dissolving	no dissolving	dark red	no dissolving	no dissolving

Summary:

Substrates:					
Contaminants:	Resins/Rosins				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Savogran Company	SI #4 Coating Remover	100	0.00	☐	
Savogran Company	SI #8 Coating Remover	100	0.00	☐	
Savogran Company	HD-34 Cleaner Degreaser	100	0.00	☑	
Twin Rivers Technologies	Methyl Ester 1618	100	0.00	☐	
AG Environmental Products	Soy Gold 2000	100	0.00	☐	

Conclusion: Savogran HD 34 was the only solution tested to have any effect on the resin. With added temperature, the dissolving of the resin may be enhanced. Heated cleaning will be the next test conducted.