CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2015

DateRun: 06/10/2015

Experimenters: Alicia Melvin

ClientType: Chemical Company

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Adhesive, Coatings, Resins/Rosins

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric, Visual

Purpose: To evaluate Methyl 408 and Ethyl 408 on their removal effectiveness for precision cleaning applications

Experimental Procedure: Three coatings from precision cleaning projects were applied to surfaces and then cleaned using immersion and manual cleaning.

Results: Methyl 408 and Ethyl 408 absorbed into the guerilla epoxy and clear lacquer, and affected the gravimetric results even though, visually, they both removed most of the soils. The red lacquer did not absorb the chemicals, so a gravimetric reading was possible. Both chemicals are decent at precision cleaning.

Cleaning Category	Precision Cleaning		
Soil type	Adhesive	Resin	
Specific soil	Guerilla Epoxy	Clear Lacquer	Red Lacquer
Methyl 408	Mostly Effective	Mostly Effective	92.92%
Ethyl 408	Mostly Effective	Mostly Effective	74.29%

Summary:

Substrates:	Stainless Steel				
Contaminants:	Adhesive, Coatings, Resins/Rosins				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Xf Technologies	Methyl 408	100	92.92	☑	
Xf Technologies	Ethyl 408	100	74.29	☐	

Conclusion: The Methyl 408 is the better of the two cleaners on these soil types.