

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1996
 DateRun: 02/01/1996
 Experimenters: Jay Jankauskas
 ClientType: Coatings Manufacturer
 ProjectNumber: Project #1
 Substrates: Stainless Steel
 PartType: Coupon
 Contaminants: Adhesive, Coatings
 Cleaning Methods: Immersion/Soak
 Analytical Methods: Visual
 Purpose: Preliminary lift test

Experimental Procedure: The purpose of this test is to perform a preliminary lift test for Coatings Manufacturer to get a basic idea of solvent action on the two Durane coatings. Five different chemistries were tested at concentrated levels. 10 Coupons were contaminated, five with the #51072 Coating, and 5 with the #51144 Coating, setting time was a maximum of fifteen minutes. The chemistries were allowed 30 minutes to react with the coatings and then a visual observation was made on the chemistries' effectiveness.
 SUBSTRATE MATERIAL: 304 stainless steel coupons
 CONTAMINANTS: Durane Based Coatings, #51144 & #51072
 CONTAMINATING PROCESS USED: Coatings applied to swab

Results: Chemistries were rated on a scale of 1 to 5 on each coating with 1 being the best performer, and 5 being the worst. The results are shown in the table below:

Chemistry	#51072 Coating	#51144 Coating	Notes & Observations
Terpene Tech 85B	2	4	Dissolving mechanism
U.S. Polychem 69 MC	3	1	Lift & Dissolve mechanisms
Frederick Gumm 228-D	1	3	Lift & Dissolve mechanism
Sentry Chem. Safe Strip	4	2	Dissolving mechanism
Inland Tech EP 921	4	5	Dissolving mechanism

Summary:

Substrates:		Stainless Steel			
Contaminants:		Adhesive, Coatings			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Tarksol Inc	Tarksol HTF 85 B	100		<input type="checkbox"/>	
US Polychem Corporation	Product 69 MC	100		<input checked="" type="checkbox"/>	
EcoLink	Safe Strip	100		<input type="checkbox"/>	
Inland Technologies Inc	EP 921	100		<input type="checkbox"/>	

Conclusion: In this brief test The U.S. Polychem and the Frederick Gumm chemicals performed best.