

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003
DateRun: 11/07/2003
Experimenters: Dave Hout
ClientType: Lab
ProjectNumber: Project #1
Substrates: Stainless Steel
PartType: Coupon
Contaminants: Inks
Cleaning Methods: Immersion/Soak
Analytical Methods: Gravimetric
Purpose: Laboratory evaluations of alternative cleaning products
Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning. Four products were heated to 130 F on a hot plate and four others were used at full strength. Twenty-four preweighed coupons were coated with Lithograph Black Ink and allowed to dry for a half an hour and reweighed. Three coupons were cleaned in each solution for 5 minutes using stir-bar-agitation, rinsed in a tap water bath for 15 seconds at 120 F and dried using air blow off for 30 seconds at 68 F. Coupons were allowed to dry for a half an hour and then reweighed a final time. Efficiencies were calculated.

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Inks				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Buckeye International	XL 100 Cleaner & Degreaser	5	20.85	<input type="checkbox"/>	
Today & Beyond	Beyond 2003	5	13.22	<input type="checkbox"/>	
US Polychem Corporation	Polychem A 2000 P	5	20.72	<input type="checkbox"/>	
Finger Lakes Chemical	2-22 D Limonene Industrial Cleaner	100	8.53	<input type="checkbox"/>	
ISP Technologies	Ship Shape Resin Cleaner	100	14.25	<input type="checkbox"/>	
Nensco	DT 600 Press Wash	100	3.48	<input type="checkbox"/>	
SOQ Environmental Technology	Ecomate FN	5	13.13	<input type="checkbox"/>	

Conclusion: All products were not effective.