CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 11/04/2003

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 Cerdec Magenta (119-64-2, 65997-18-4, 1345-24-0, 20667-12-3) 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	73.56	☐	
Today & Beyond	Beyond 2003	5	13.31	☐	
US Polychem Corporation	Polychem A 2000 P	5	97.61	☑	
Finger Lakes Chemical	2-22 D Limonene Industrial Cleaner	100	13.66	☐	
ISP Technologies	Ship Shape Resin Cleaner	100	35.55	☐	
Nensco	DT 600 Press Wash	100	12.53	☐	
Nensco	USA Wash	100	-0.74	☐	
SOQ Environmental Technology	Ecomate FN	5	7.66	☐	

Conclusion: Beyond 2003 was the only effective product at an efficiency rate of over 90%