

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.