

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004

DateRun: 03/01/2004

Experimenters: Dave Hout

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Coatings

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. Two products were used at full strength and two others were heated to 130 F on a hot plate. Twelve preweighed coupons were coated with Ferrocote 5815 LVO 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: | Aluminum | | | | |
|------------------------------|---------------------------|--------|-------------|--------------------------|---------------|
| Contaminants: | Coatings | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Chemtronics Inc | Super Bio Wash | 100 | 42.32 | <input type="checkbox"/> | |
| Man Gill Chemical Company | Gillite 1156 | 100 | 38.79 | <input type="checkbox"/> | |
| Hubbard Hall Inc | Ram Charger | 5 | 38.84 | <input type="checkbox"/> | |
| Chemkleen International Inc. | CT 1 Multipurpose Cleaner | 5 | 55.60 | <input type="checkbox"/> | |

Conclusion: None of the products were effective at removing the contaminants.