

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004

DateRun: 05/28/2004

Experimenters: Dave Hout

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Waxes

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 six products were heated to 130 F on a hot plate. Twenty-one preweighed coupons were coated with Roger Reed Wax 6816 and allowed to dry for a half an hour and reweighed. Three coupons were cleaned with product.

Results:

Summary:

| Substrates: | Aluminum | | | | |
|-------------------------|----------------------------|--------|-------------|--------------------------|---------------|
| Contaminants: | Waxes | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Kyzen Corporation | Ionox HC | 100 | 3.47 | <input type="checkbox"/> | |
| Nensco | USA Wash | 100 | 58.03 | <input type="checkbox"/> | |
| Alconox Inc | Liquinox | 5 | 5.25 | <input type="checkbox"/> | |
| Buckeye International | Work Out | 5 | 25.96 | <input type="checkbox"/> | |
| Buckeye International | XL 100 Cleaner & Degreaser | 5 | 40.25 | <input type="checkbox"/> | |
| Nensco | DT 600 Press Wash | 5 | 55.27 | <input type="checkbox"/> | |
| Magnuson Products | Permag S-4 | 5 | 13.48 | <input type="checkbox"/> | |
| US Polychem Corporation | Polychem A 2000 P | 5 | 7.69 | <input type="checkbox"/> | |

Conclusion: All products were ineffective at removing the contaminant.