

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004
 DateRun: 05/27/2004
 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.