

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003  
 DateRun: 11/03/2003  
 Experimenters: Dave Hout  
 ClientType: Lab  
 ProjectNumber: Project #1  
 Substrates: Stainless Steel  
 PartType: Coupon  
 Contaminants: Lubricating/Lapping Oils  
 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. Eight products were heated to 130 F on a hot plate. Twenty-four preweighed coupons were coated with Lubricant LPS Magnum Teflon 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:

<b>Substrates:</b>	Stainless Steel				
<b>Contaminants:</b>	Lubricating/Lapping Oils				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
AW Chesterton	217 Pressure wash	5	98.99	<input checked="" type="checkbox"/>	
Alconox Inc	Liquinox	5	97.04	<input checked="" type="checkbox"/>	
Bio Chem Systems	Bio T Parts Washer NR	5	97.01	<input checked="" type="checkbox"/>	
Buckeye International	XL 100 Cleaner & Degreaser	5	100.04	<input checked="" type="checkbox"/>	
Dow Chemical Company	PnB Glycol Ether	5	99.04	<input checked="" type="checkbox"/>	
Man Gill Chemical Company	Gillite 0650 Cl	5	99.15	<input checked="" type="checkbox"/>	
Today & Beyond	Beyond 2003	5	98.73	<input checked="" type="checkbox"/>	
US Polychem Corporation	Polychem A 2000 P	5	99.30	<input checked="" type="checkbox"/>	

Conclusion: All products were effective at an efficiency rate of over 95%