

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003
DateRun: 12/30/2003
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. Two products were heated to 130 F on a hot plate. Six preweighed coupons were coated with Lubricant Houghton MTC-53 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. Effeciencies were calculated.

Results:

Summary:

Substrates:		Stainless Steel			
Contaminants:		Lubricating/Lapping Oils			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Valtech Corporation	Valtron SP 2500	5	74.62	<input type="checkbox"/>	
Watson Technical Associates	Watson Formula 9000	5	77.67	<input type="checkbox"/>	

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