

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004
 DateRun: 01/06/2004
 Experimenters: Dave Hout
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Stainless Steel
 PartType: Coupon
 Contaminants: Cutting/Tapping Fluids
 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. One product was heated to 130 F on a hot plate and two products were used at full strength. Nine preweighed coupons were coated with Cutting Fluid - Monroe Fluid Tech Cool Tool II 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:	Stainless Steel				
Contaminants:	Cutting/Tapping Fluids				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
BetzDearborne Laboratories Inc	Custom Clean N CC 2278	100	73.35	<input type="checkbox"/>	
Chemtronics Inc	Super Bio Wash	100	65.10	<input type="checkbox"/>	
Valtech Corporation	Valtron SP 2500	100	98.10	<input checked="" type="checkbox"/>	

Conclusion: Only one product was effective at an efficiency rate of 98.10%