

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1999
 DateRun: 07/01/1999
 Experimenters: Nicole Vayo
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Aluminum, Stainless Steel
 PartType: Coupon
 Contaminants: Cutting/Tapping Fluids
 Cleaning Methods: Immersion/Soak
 Analytical Methods: Gravimetric
 Purpose: Laboratory evaluations of alternative cleaning products
 Experimental Procedure: Nine products were used at 5% dilutions and heated to 130 F. Stainless steel coupons were coated with cutting oil (64741-89-5, 8052-42-4). Coupons were rinsed with tap water for 2 minutes.
 Results: No unusual or unpleasant odors. All cleaners had some effect. The efficient cleaners caused immediate break-up of excess. Thin layer of oil beaded up off the coupon surface to the top of the solution.

Summary:

Substrates:	Aluminum, Stainless Steel				
Contaminants:	Cutting/Tapping Fluids				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Man Gill Chemical Company	Gillite 160 X	5	97.00	<input checked="" type="checkbox"/>	
Savogran Company	Dirtex Prepaint Cleaner	5	87.00	<input checked="" type="checkbox"/>	
EcoLink	Universal Steam Cleaner	5	60.00	<input type="checkbox"/>	
Warren Chemical Company	Sea Wash Neutral	5	96.00	<input checked="" type="checkbox"/>	
Heatbath Corporation	Multi-Kleen 1568	5	80.00	<input type="checkbox"/>	
MacDermid Industrial Products	New Dimensions LF Supreme	5	55.00	<input type="checkbox"/>	
Master Chemical Corporation	Trim Rinse 100	5	97.00	<input checked="" type="checkbox"/>	
Novamax Technologies Inc	Spectrum APC	5	90.00	<input checked="" type="checkbox"/>	
International Bio System	Bio Z	5	90.00	<input checked="" type="checkbox"/>	

Conclusion: Master Chem Corp Trim Rinse 100 and Man-Gill chemicals Gillite 160 X showed approximately 98% removal.