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	☑	
Savogran Company	Dirtex Prepaint Cleaner	5	87.00	☑	
EcoLink	Universal Steam Cleaner	5	60.00	☐	
Warren Chemical Company	Sea Wash Neutral	5	96.00	☑	
Heatbath Corporation	Multi-Kleen 1568	5	80.00	☐	
MacDermid Industrial Products	New Dimensions LF Supreme	5	55.00	☐	
Master Chemical Corporation	Trim Rinse 100	5	97.00	☑	
Novamax Technologies Inc	Spectrum APC	5	90.00	☑	
International Bio System	Bio Z	5	90.00	☑	

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