CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2003
DateRun:	12/10/2003
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. Four products were heated to 130 F on a hot plate and four others were used at full strength. Twenty-four 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:**
EcoLink	Positron	100	101.11	☑	
Hurri Kleen Corportion	HurriSafe - Hot Immersion Degreaser	5	101.80	☑	
Heatbath Corporation	MultiKleen LX 1573	5	98.48	☑	
Hubbard Hall Inc	Ram Charger	5	100.21	☑	
Man Gill Chemical Company	Gillite 1156	100	98.87	☑	
Nensco	DT 600 Press Wash	100	100.08	☑	
Nensco	USA Wash	100	99.43	☑	
Quaker Chemical	Formula 625 XL	5	99.08	☑	

Conclusion: All products were effective at an efficiency rate of over 98%