CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2004
DateRun:	07/05/2004
Experimenters:	Heidi Wilcox
ClientType:	Lab
ProjectNumber:	Project #1
Substrates:	Aluminum
PartType:	Coupon
Contaminants:	Oil
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. Cleaning: 5 min. immersion cleaning at 96 F with stir-bar agitation. NO Rinsing Drying: 30 sec. Air blow off using hose Contaminant: OIL - Cargill Inc AP 60 canola cas# 120962-03-0 Substrate 2 " x 2" aluminum coupons
Results:	
Summary:	

Substrates:	Aluminum				
Contaminants:	Oil				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Petroferm Inc	Lenium CP (no longer available)	100	98.99	☑	
Petroferm Inc	Lenium ES	100	103.04	☐	
Invista S.a.r.l	Flexisolv DBE 6 ester	100	102.96	☑	

Conclusion: ES & GS both cleaned over 102% so damage t the aluminum is to be considered. There was no visible damage to the coupon so prior contamination or film on the coupon may have been cleaned off with these cleaners.