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 Nisseki SAS 40 CAS# 2776-01-8, 612-00-00, 103-29-7, 101-81-5 Substrate 2 " x 2" aluminum
Results:	

Summary:

Substrates:	Aluminum				
Contaminants:	Oil				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Petroferm Inc	Lenium CP (no longer available)	100	100.51	☑	
Petroferm Inc	Lenium ES	100	102.50	☑	Over 102 usaullay not effective but thi is marginal and no visible damage with 5 minute trial
Invista S.a.r.l	Flexisolv DBE 6 ester	100	102.70	☑	Over 102 usaullay not effective but thi is marginal and no visible damage with 5 minute trial

Conclusion: They all were effective, again ES & GS were slightly above 102% (0.5 & 0.7) but again we believe this is due to removing films or buildup form the coupons effectively since there was no visible signs of deterioration of the coupon.