

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004
 DateRun: 07/06/2004
 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	<input checked="" type="checkbox"/>	
Petroferm Inc	Lenium ES	100	103.04	<input type="checkbox"/>	
Invista S.a.r.l	Flexisolv DBE 6 ester	100	102.96	<input checked="" type="checkbox"/>	

Conclusion: ES & GS both cleaned over 102% so damage to 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.