

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 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.