

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1998
DateRun: 11/03/1998
Experimenters: Jason Marshall
ClientType: Name Plate Mfg-Etching
ProjectNumber: Project #1
Substrates: Aluminum
PartType: Part
Contaminants: Films, Soaps
Cleaning Methods: Immersion/Soak
Analytical Methods: Tactile

Purpose: To find a cleaning solution that could remove the Soy Gold film.

Experimental Procedure: Three chemistries were tested at 5% concentrations. Each chemistry was heated to 100 F on a hot plate. Samples were put into each cleaner for 1 minute using a manual agitation (moving coupon back and forth in beaker). Samples were removed and rinsed in tap water at room temperature. Parts were dried using a Master Appliance Corp. Hot-air gun model HG-301A. Samples were observed for any remaining residue by touching the surface.
SUBSTRATE MATERIAL: Aluminum Name plates.
CONTAMINANTS: AG Environmental Soy Gold 2000.

Results: The amount of residue remaining on the coupons was far less than without the aqueous cleaner rinsing, but there was a definite film left on the surface.

Summary:

Substrates:		Aluminum				
Contaminants:		Films, Soaps				
Company Name:		Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Alconox Inc		Luminex	5		<input checked="" type="checkbox"/>	
Magnaflux		Daraclean 232	5		<input checked="" type="checkbox"/>	
Watson Technical Associates		Low Foam Washer Detergent	5		<input checked="" type="checkbox"/>	

Conclusion: Additional testing will be conducted using a diluted Soy Gold Solution along with other aqueous cleaners and rinse aids.