CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	1998
DateRun:	11/01/1998
Experimenters:	Jason Marshall
ClientType:	Name Plate Mfg-Etching
ProjectNumber:	Project #1
Substrates:	Aluminum
PartType:	Part
Contaminants:	Abrasive, Paints, Dirt, Soaps
Cleaning Methods:	Low Pressure Spray
Analytical Methods:	Visual
Purpose:	Pilot testing of spray wash system.
Experimental Procedure:	All of the samples were clipped to a tray and inserted into a Miele Automatic G7735 Spay Wash Unit. The cleaning chemistry was heated to 130 F on hot plates. The solution was then poured into the unit. Cleaning trials were conducted at a variety of times, 30 seconds, 1 and 2 minutes. At the end of the cleaning, plates were examined for acceptable cleaning and paint conditions. SUBSTRATE MATERIAL: Metal Plates Supplied from Client CONTAMINANTS: Dirty cleaning solution-D-Greeze 500 w/ residual paint chips and pumice sludge
Results:	There was a slight residue remaining on the coupons. Some of the paints were easily scratched off while others were more acceptable. The biggest problem was the residue left on the samples.

Summary:

Substrates:	Aluminum				
Contaminants:	Abrasive, Paints, Dirt, Soaps				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
AG Environmental Products	Soy Gold 2000	100	0.00	☑	

Conclusion: Soy Gold 2000 showed excellent removal of the D-Greeze 500 contaminant solution at the 1 and 2 minute intervals. The one remaining issue to deal with would be the removal of the film left on the coupons. Increased rinse water spray pressure could help to reduce or eliminate the residue. Consultation with the vendor may yield a less aggressive cleaner that will not leave the undesired residue.