CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2006

DateRun: 09/11/2006

Experimenters: Jason Marshall

ClientType: General

ProjectNumber: Project #2

Substrates: Plastic

PartType: Part

Contaminants: Inks, Paints

Cleaning Methods: Ultrasonics

Analytical Methods: Visual

Purpose: To evaluate more products for paint and ink removal from supplied parts.

Experimental Procedure: The products were all heated to 150 F in a 40 kHz Branson 3510 ultrasonic tank. One golf ball was cleaned at each temperature for 40 minutes. At ten minute intervals of the cleaning, the ball was rinsed in a tap water spray for 15 seconds at 120 F and wiped dry with a paper towel. Observations were made and compared to the client's current cleaner.

Results:

Cleaner	Observations
SL 100	Some surface changes. Not a lot of ink removal
Paint Striper	No real change observed

Green Floor 25% Surface changing, paint coming up, ink could be partial removed.

Green Floor 100% Worked well. Within 10 minutes, the ink was being removed. After 40 minutes, most of the paint and ink could be removed. Still not complete.

Summary:

Substrates:	Plastic				
Contaminants:	Inks, Paints				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Bi-O-Kleen Industries	Soy Lube- SL 100	100	0.00	☐	Some surface change
Vertec BioSolvents	Paint stripper	25	0.00	☐	No major change
Pioneer Eclipse	Enviro Star Green Glass & Surface Cleaner	25	0.00	☐	Surface changing
Pioneer Eclipse	Enviro Star Green Glass & Surface Cleaner	100	0.00	☑	Good removal

Conclusion: The Pioneer Eclipse Floor stripper at full strength has had the best results so far. However, the removal of the paint and ink has not equaled the current solvent.