CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2009
DateRun:	12/15/2009
Experimenters:	Heidi Wilcox
ClientType:	Ceramic Coating Company
ProjectNumber:	Project #2
Substrates:	Aluminum, Steel
PartType:	Part
Contaminants:	Waxes, Dirt, Oil
Cleaning Methods:	Manual Wipe
Analytical Methods:	Visual
Purpose:	To clean company supplied parts with the 5 most effective cleaners found during lab trials
Experimental Procedure:	Five products were selected from previous trial based on effectiveness. Two products were diluted to 5% using DI water and the other four were used at full strength. Each cleaner was put onto a clean Kimberly Clark lint free Wypeall rag/paper towel with a disposable 68 ml Nalgene dropper, which produced approximately a 3 to 4 inch in diameter circle of wetness. The customer supplied parts, approximately 8 inch by 4 inch steel and aluminum parts, were wiped on both sides and all edges and then let sit to dry.
Results:	All five products worked in under 4 minutes of cleaning. The table lists the observations for each ring cleaned at the various time intervals. On each towel, except the Activeion cleaned part, there was black residue. Order of observations from worst to best: Not clean<Almost clean<Nearly clean<Clean

Summary:

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Contaminants:	Waxes, Dirt, Oil				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Buckeye International	Shopmaster RC	10	0.00	☑	Some grit was felt, no residue
Gemtek Products	SC Aircraft & Metal Cleaner Super Concentrate	5	0.00	☑	Some grit was felt, no residue
Bio Chem Systems	Solsafe 245	100	0.00	☑	Some grit was felt, no residue
Alconox Inc	Detergent 8	5	0.00	☑	Some grit was felt, no residue
Activeion Cleaning Solutions LLC	Activeion Pro	100	0.00	☑	Some grit was felt, no residue

Conclusion: The cleaned parts along with samples of the five products will be brought to the client for inspection and painting in their manufacturing process.