CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1998

DateRun: 04/01/1998

Experimenters: Jason Marshall

ClientType: Manufacturers of Precision Parts and Assemblies

ProjectNumber: Project #2

Substrates: Liquid

PartType: Part

Contaminants: Cutting/Tapping Fluids, Lubricating/Lapping Oils, Oil

Cleaning Methods:

Analytical Methods: Colorimeter

Purpose: Measure characteristics of cleaner

Experimental Procedure: To measure characteristics of cleaner to determine a relationship between cleaning efficiency and bath life. Measure %Transmittance & Absorbance @ 530nm, Sulfate & Sulfide concentration, and Turbidity of the cleaning liquid using LaMotte's Smart Colorimeter.

SUBSTRATE MATERIAL: Liquid (cleaning bath, M-Auto)
CONTAMINANTS: None

Results:

3/31/98 Bath	%Trans	Absorbance	Sulfate Conc.	Sulfide Conc.	Turbidity
Reading #1	65	0.19	4ppm	0.51	4
Reading #2	71	0.15	4ppm	0.49	4
Reading #3	66	0.18	4ppm	0.42	4
Average	67	0.17	4ppm	0.47	4

Summary:

Substrates:	Liquid				
Contaminants:	Cutting/Tapping Fluids, Lubricating/Lapping Oils, Oil				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Church & Dwight Co Inc.	Armakleen M Auto		0.00	☐	

Conclusion: Cleaning efficiency of the cleaning bath obtained from 3/31/98 will be determined after receiving a sample of the clients oil. The results of the efficiency will be linked to the characteristics obtained in this trial so that a relationship could be determined. With this relationship, bath effectiveness can be checked using the above testing methods.