

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 02/12/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Lubricating/Lapping Oils, Paints

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric

Purpose: Laboratory evaluations of alternative cleaning products

Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.
 Cleaning: 5 min. immersion cleaning with stir-bar agitation at 120 F.
 Rinsing: 1/2 min. manual with water at 120 F.
 Drying: 1 min. with heat gun at 500 F.
 Contaminant:
 1. Coating: Paint-Nybco Designer colors - Contains-Toluene, xylene, acetone.
 2. Oil: Nevastane- Safeguard 6- ELF-Lubricant, lubricating oil, Cas #: 64742-47-8, 8042-47-5, 9003-29-6.

Results:

Summary:

Substrates:		Stainless Steel			
Contaminants:		Lubricating/Lapping Oils, Paints			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Abatement Technologies	Bio Might 100 Cleaner - Degreaser	5	1.97	<input type="checkbox"/>	Contaminant: Paint
Chem Free Corporation	SW-2 Heavy Grease Formula	5	-1.20	<input type="checkbox"/>	Contaminant: Paint
Chem Free Corporation	SW-3 Ozzy Juice (Improved Low Odor)	5	1.03	<input type="checkbox"/>	Contaminant: Paint
Drummond America Corporation	Clout	5	-1.40	<input type="checkbox"/>	Contaminant: Paint
Baum's Castorine Company Inc	EZE Oil-Grease Cleaner	5	89.51	<input checked="" type="checkbox"/>	Contaminant: Oil
Chem Free Corporation	SW-1 Ozzy Juice	5	87.58	<input checked="" type="checkbox"/>	Contaminant: oil

Conclusion: None of the cleaners were effective for the ink.