CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2008

DateRun: 06/18/2008

Experimenters: Jason Marshall, Shweta Bansal

ClientType: Tool Manufacturer

ProjectNumber: Project #1

Substrates: Steel

PartType: Coupon

Contaminants: Lubricating/Lapping Oils

Cleaning Methods: Manual Wipe

Analytical Methods: Visual

Purpose: To evaluate non-aqueous products for the removal of the third supplied contaminant

Experimental Procedure: Previously soiled steel coupons coated with the ChemSearch Aerolex Plus moly dry film lubricant were wiped with a WypAll X60 reinforced paper towel with a full-strength cleaning solution. Visual observations were made to determine if the product was effective at removing the lubricant and then ranked for ease of cleaning. Six semi-aqueous products were selected for testing based on past testing results.

Results: Of the six products evaluated, four of them worked well. The other two removed some of the lubricant but were noticeably slower than the other four. The BioGold #3 was the most effective cleaner, followed by Smart Solve 605 and DS 144 S.

Summary:

Substrates:	Steel				
Contaminants:	Lubricating/Lapping Oils				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
United Laboratories International	Smart Solve 605	100	0.00	☑	Rank 2
Spartan Chemical Company	Graffiti Remover SAC	100	0.00	☑	Rank 4
Vertec BioSolvents	VertecBio Gold 3	100	0.00	☑	Rank 1
Spartan Chemical Company	Soy Strong	100	0.00	☐	Rank 6
Franmar Chemical	Bean-e-doo (Parts Washer Solvent)	100	0.00	☐	Rank 5
Dysol	DS 144S Wipe Solvent	100	0.00	☑	Rank 3

Conclusion: The top three products were BioGold 3, Smart Solve 605 and DS 144s. Additional evaluation of the solvents may be conducted on the other three soils if necessary.