

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2008
 DateRun: 06/19/2008
 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		<input checked="" type="checkbox"/>	Rank 2
Spartan Chemical Company	Graffiti Remover SAC	100		<input checked="" type="checkbox"/>	Rank 4
Vertec BioSolvents	VertecBio Gold 3	100		<input checked="" type="checkbox"/>	Rank 1
Spartan Chemical Company	Soy Strong	100		<input type="checkbox"/>	Rank 6
Franmar Chemical	Bean-e-doo (Parts Washer Solvent)	100		<input type="checkbox"/>	Rank 5
Dysol	DS 144S Wipe Solvent	100		<input checked="" type="checkbox"/>	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.