

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004  
 DateRun: 01/23/2004  
 Experimenters: Jason Marshall  
 ClientType: Tool Manufacturer  
 ProjectNumber: Project #1  
 Substrates: Steel  
 PartType: Part  
 Contaminants: Paints  
 Cleaning Methods: Immersion/Soak  
 Analytical Methods: Photography, Visual  
 Purpose: To evaluate cleaners from previous trial at extended cleaning times

Experimental Procedure: One product was used at room temperature and the other two were heated to 120 F on a hot plate. The parts from the previous trial were used again in groups of two and immersed into a beaker with cleaning solution and allowed to soak for an additional 10 minutes. Following the cleaning, the parts were dried using air blow off at room temperature. The cleaned parts were compared to the dirty pictures. The parts were then reimmersed and cleaned for a final 10 minutes. The parts were photographed, observations during cleaning were recorded and products were ranked based on how effective the products were.  
 Contaminant: Varnish

Results: All three had improved results with the extended cleaning time; however, no product removed all of the varnish.

Summary:

<b>Substrates:</b>	Steel				
<b>Contaminants:</b>	Paints				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Dysol	DS 108 Wipe Solvent	100		<input checked="" type="checkbox"/>	Rank = 1
Metabolix Inc	Metabolix E3HB	100		<input checked="" type="checkbox"/>	Rank = 2
Gemtek Products	SC Aircraft & Metal Cleaner Super Concentrate	10		<input checked="" type="checkbox"/>	Rank = 3

Conclusion: Parts are being sent back to client for further inspection.