CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2005
DateRun:	08/14/2005
Experimenters:	Jason Marshall
ClientType:	Metal
ProjectNumber:	Project #1
Substrates:	Aluminum
PartType:	Part
Contaminants:	Mold Releases, Graphite
Cleaning Methods:	Ultrasonics
Analytical Methods:	Photography
Purpose:	To evaluate new product on supplied parts using ultrasonic cleaning.
Experimental Procedure:	The product from the previous trial was used at the same concentration. The product was suspended in water heated to 120 in a Crest Ultrasonic 40 kHz tank. The solutions were degassed for five minutes. Three acid washed (by client) sample parts that were originally soiled with the Acheson Colloids Co Aquadag M mold release agent (CAS#: 7782-42-5, 84122-50-6, 70131-67-8, 1333-86-4, 107-21-1, 9002-84-0) were suspended in each solution and cleaned for 5 minutes using ultrasonic energy. These previously cleaned parts were used due to the limited availability of dirty parts. Parts were then rinsed with tap water at 120 F for 15 seconds and dried using compressed air at room temperature for 30 seconds. Cleaned parts were then visually inspected and compared to each other. In addition, the parts were also compared to the client supplied cleaned parts.
Results:	The parts were as clean as the Coil Bright cleaned parts from the previous trials. The photos show the parts prior to cleaning and after cleaning. The Coil Bright cleaned parts are also included for comparison.

Summary:

Substrates:	Aluminum				
Contaminants:	Mold Releases, Graphite				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Green Power	Metal Bright	10	0.00	☑	

Conclusion: The Metal Bright product appears to work as well as the Coil Bright formulation on the supplied parts.