CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2006
DateRun:	12/07/2006
Experimenters:	Jason Marshall
ClientType:	Metal Working
ProjectNumber:	Project #1
Substrates:	Brass
PartType:	Part
Contaminants:	Buffing/Polishing Compounds, Oil
Cleaning Methods:	Ultrasonics
Analytical Methods:	Visual
Purpose:	To evaluate selected product for cleaning both buffing compound and oil using supplied parts.
Experimental Procedure:	One product was selected based on the results of the previous testing. The product was diluted to 10% in a 600 ml beaker using DI water. The dilution was heated to 150 F while being immersed in a water bath. The solution also was degassed for at least 5 minutes using a Branson 3510 ultrasonic unit operating at 40 kHz. Several parts were cleaned in the solution, rinsed in tap water at 120 for 15 seconds and dried using dry compressed air at room temperature for 30 seconds. Observations were made on the level of cleanliness.
Results:	The parts appeared to be free of buffing compound and oil after cleaning for 10 minutes using ultrasonic cleaning.

Summary:

Substrates:	Brass				
Contaminants:	Buffing/Polishing Compounds, Oil				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
US Polychem Corporation	Polyspray Jet 790 XS	10	0.00	☑	

Conclusion: The US Polychemical Polyspray Jet 790 XS worked well on both the buffing compound and the oil on the supplied parts.