CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2007
DateRun:	08/13/2007
Experimenters:	Jason Marshall, Heidi Wilcox
ClientType:	Aerospace Industry
ProjectNumber:	Project #1
Substrates:	Gold, Stainless Steel
PartType:	Part
Contaminants:	Oil
Cleaning Methods:	Ultrasonics
Analytical Methods:	Visual
Purpose:	To find a cleaner that will remove the diesel fuel from the inside of the supplied part
Experimental Procedure:	Four products were selected from the lab's on-line database, www.cleanersolutions.org, based on client supplied information about soil and surface materials. Each product was heated to 130 F on a hot plate. Solutions were used in a 1000 ml beaker and immersed into a Branson 3510 ultrasonic unit and degassed for at least 5 minutes. Cleaning of the part was conducted in 5-minute intervals. Observations were made after the cleaning time to determine the success of the product. If the product was unsuccessful, the next cleaning solution was used.
Results:	Two of the products were successful in removing most of the diesel exhaust "char" from the inner portion of the supplied part.

Summary:

Substrates:	Gold, Stainless Steel				
Contaminants:	Oil				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Kyzen Corporation	Ionox HC 2	100	0.00	☐	
Bio Chem Systems	Solsafe 245	100	0.00	☐	
AGA Chemical	AK 225	100	0.00	☑	
Poly Systems USA Inc	Solvon Kreussler PB	100	0.00	☑	

Conclusion: Additional cleaning was not conducted so that the part would not become damaged. Part needs to be inspected by client to determine if it is as clean as it needs to be.