

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1996
 DateRun: 02/29/1996
 Experimenters: Jay Jankauskas
 ClientType: Precision Instrument Manufacturer
 ProjectNumber: Project #1
 Substrates: Stainless Steel
 PartType: Part
 Contaminants: Oil
 Cleaning Methods: Low Pressure Spray
 Analytical Methods: FTIR, OSEE
 Purpose: To evaluate part cleanliness

Experimental Procedure: The purpose of this trial is to evaluate part cleanliness for Precision Instrument Manufacturer' old and new cleaning systems. All parts were analyzed with the lab's Magna IR 550 and the Photo Acoustics SQM100.

Results: The FTIR analysis showed no difference in the cleanliness levels of all three cleaning processes.

Summary:

Substrates:	Stainless Steel				
Contaminants:	Oil				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Oakite Products	Oakite 77		0.00	<input type="checkbox"/>	
New Pig Corporation	New Pig Degreaser		0.00	<input type="checkbox"/>	

Conclusion: The OSEE results showed that the cleaning processes using the Oakite and the Pig chemistries produced slightly cleaner parts. The fact that a difference was noticed on the OSEE and not on the FTIR suggest that all processes are just as effective in removing organic contamination, while the Pig and the Oakite process are more effective in removing inorganic contamination.