CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	1997
DateRun:	10/22/1997
Experimenters:	Jason Marshall, Prashant Trivedi
ClientType:	Manufacturers of Harmonic Drive
ProjectNumber:	Project #1
Substrates:	Stainless Steel
PartType:	Coupon
Contaminants:	Greases
Cleaning Methods:	Low Pressure Spray
Analytical Methods:	Visual
Purpose:	Evalaute low pressure washer for grease cleaning
Experimental Procedure:	The purpose of the experiment was to determine if a low pressure parts washer would be effective in removing the contaminant from the coupons. Coupons were contaminated in the same way as the previous trials. A Miele low pressure(15psi) parts washer was used in conjunction with cleaning chemistry designed for such a system. The coupons were loaded into the washer in a way to maximize the use of the spraying. To do this, the coupons were clipped upside down to the sides of the pull out tray. The powder cleaner was deposited into the washer. The cleaning, rinsing and drying cycle lasted for about thirty minutes. The operating temperature was between 170 and 180 F. Company Name Chemistry Name Alconox, Inc. Alcojet SUBSTRATE MATERIAL: 17-4 Stainless steel CONTAMINANTS: Braycote 601-perfluoropolyether grease
Results:	The low pressure washing of the coupons were very effective in removing the grease from the stainless steel coupons.

Summary:

Substrates:	Stainless Steel				
Contaminants:	Greases				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Alconox Inc	Alcojet	5	0.00	☑	

Conclusion: Evaluation of three different types of equipment has resulted in the identification of one effective system. Low pressure spray washing removed a majority of the grease.