CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2016

DateRun: 03/25/2016

Experimenters:

ClientType:

ProjectNumber: Project #1

Substrates: Brass

PartType: Part

Contaminants: Greases

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric

Purpose: To evaluate the efficiency of various heated drop in solvent replacement in removing Momentive Grease from Brass.

Experimental Procedure: Brass coupons were weighed to get their initial weights. The bottom third of each coupon was coated in the Momentive Grease. The coupons were re- weighed. The weights were recorded. The coupons were placed in the heated drop-in solvent replacement for 5 minutes. The coupons were removed out of the cleaning solution and placed to dry on a rack for 15 minutes. Then the final weights were taken and recorded.

Results:

Cleaner	Initial wt of cont.	Final wt of cont.	%Cont Removed
Ethyl 408	0.1908	0.2020	-5.87
	0.1552	0.1623	-4.57
	0.1479	0.1566	-5.88
Methyl 408	0.1358	0.1368	-0.74
	0.1055	0.1066	-1.04
	0.1244	0.1252	-0.64
FluoSolv CX	0.1023	0.0287	71.95
	0.0962	0.0258	73.18
	0.1043	0.0489	53.12
FluoSolv NC	0.1358	0.0610	55.08
	0.1116	0.0382	65.77
	0.1006	0.0481	52.19
Honeywell PF	0.1800	0.0699	61.17
	0.1248	0.0643	48.48
	0.1412	0.0723	48.8
Honeywell PF 2A	0.1350	0.0694	48.59
	0.1475	0.0776	47.39
	0.1061	0.0617	41.85
Vertrel Sion	0.1859	0.0047	97.47
	0.1792	0.0286	84.04
	0.3030	0.0709	76.6
Fluosolv CX-500	0.8387	0.8123	3.15
	0.7091	0.6861	3.24
	0.7496	0.7184	4.16
Fluosolv FR-110	0.4448	0.4192	5.76
	0.3955	0.3733	5.61
	0.3778	0.3513	7.01

Summary:

Substrates:	Brass
Contaminants:	Greases

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:

CLEANING LABORATORY EVALUATION SUMMARY

Xf Technologies	Ethyl 408	100	-5.44	☐	
Xf Technologies	Methyl 408	100	-0.81	☐	
NuGeneration Technologies, LLC	FluoSolv CX	100	66.08	☐	
NuGeneration Technologies, LLC	FluoSolv NC 786	100	57.68	☐	
Honeywell	Solstice PF with N2	100	52.81	☐	
Honeywell	Solstice PF-2A with N2	100	45.94	☐	
DuPont	Vertrel Sion	100	86.04	☑	
NuGeneration Technologies, LLC	FluoSolv CX-500	100	3.51	☐	
NuGeneration Technologies, LLC	Fluosolv FR-100	100	6.12	☐	

Conclusion: