CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2016

DateRun: 04/01/2016

Experimenters:

ClientType:

ProjectNumber: Project #1

Substrates: Brass

PartType: Coupon

Contaminants: Greases

Cleaning Methods:

Analytical Methods: Gravimetric

Purpose: To evaluate the efficiency of various heated drop in solvent replacements removing DOW Corning Vacuum Grease from Brass substrates .

Experimental Procedure: Brass coupons were weighed to get their initial weights. The bottom third of each coupon was coated in the DOW Corning Vacuum 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 and placed to dry on a rack for 15 minutes. Then the final weights were taken

Results:

Cleaner	Initial wt of cont.	Final wt of cont.	%Cont Removed
Ethyl 408	0.3854	0.0009	99.77
	0.4544	0.0186	95.91
	0.2871	0.1209	57.89
Methyl 408	0.1771	0.1727	2.48
	0.2522	0.2358	6.50
	0.2483	0.2445	1.53
FluoSolv CX	0.5698	0.0901	84.19
	0.4882	0.0060	98.77
	0.4578	0.0117	97.44
FluoSolv NC	0.0961	0.0016	98.34
	0.1367	0.0028	97.95
	0.2385	0.0485	79.66
Honeywell PF	0.1645	0.1014	38.36
	0.2101	0.1208	42.50
	0.1780	0.0537	69.83
Honeywell PF 2A	0.1797	0.0156	91.32
	0.1764	0.0356	79.82
	0.2446	0.0613	74.94
Vertrel Sion	0.4411	0.0073	98.35
	0.3979	0.0100	97.49
	0.5948	0.0947	84.08
Fluosolv CX-500	1.5110	1.4324	5.20
	1.1868	1.1520	2.93
	1.3785	1.3152	4.59
Fluosolv FR-110	0.4061	0.3765	7.29
	0.4904	0.4217	14.01
	0.3592	0.3395	5.48

Summary:

Substrates:	Brass				
Contaminants:	Greases				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Xf Technologies	Ethyl 408	100	84.52	☐	

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Xf Technologies	Methyl 408	100	3.51	☐	
NuGeneration Technologies, LLC	FluoSolv CX	100	93.47	☑	
NuGeneration Technologies, LLC	FluoSolv NC 786	100	91.98	☑	
Honeywell	Solstice PF with N2	100	50.23	☐	
Honeywell	Solstice PF-2A with N2	100	82.03	☐	
DuPont	Vertrel Sion	100	93.30	☑	
NuGeneration Technologies, LLC	FluoSolv CX-500	100	42.40	☐	
NuGeneration Technologies, LLC	Fluosolv FR-100	100	89.20	☐	

Conclusion: