CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2016

DateRun: 11/29/2016

Experimenters: Alicia McCarthy, Sabrina Apel, James Keats

ClientType:

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Lubricating/Lapping Oils, Dirt

Cleaning Methods: Manual Wipe

Analytical Methods: Gravimetric

Purpose: To evaluate Troy Corp products against other products for bike soil removal

Experimental Procedure: Aluminum coupons were weighed to attain initial weights. Bike soil was prepared using 1.6 grams of bike soil and 50 drops of Tri-flow lubricant. Each coupon was then soiled with 1.6 grams of bike soil and 50 drops of Tri-flow lubricant. Dirty weights were recorded. Three coupons were placed in the manual SLW machine at a time and sprayed twice each with the selected cleaner, as well as the paper towel. The coupons were then run for a total of 5 cycles. The process was repeated for all of the 30 coupons. After the cleaning process the coupons were allowed to dry. Subsequently, the dried coupons were weighed to attain final weights.

Results:

Cleaner	Initial wt	Final wt	% Removed
T08867			
	2.1198	0.1894	91.07
	2.3082	0.2163	90.63
	2.3766	0.1344	94.34
T08868			
	1.5336	0.1721	88.78
	2.9244	0.1177	95.98
	2.1201	0.0779	96.33
T08869			
	2.5431	0.1414	94.44
	1.8135	0.1454	91.98
	2.2629	0.1040	95.40
T08870			
	2.3477	0.2230	90.50
	2.2842	0.1379	93.96
	2.0897	0.1259	93.98
T08871			
	2.1479	0.1779	91.72
	2.2610	0.2284	89.90
	2.2240	0.0976	95.61
Water			
	1.7687	0.0281	98.41
	1.7687	0.0126	99.29
	1.7569	0.0127	99.28
Simple Clean			
	2.0859	0.0689	96.70
	2.1559	0.0190	99.12
	1.5968	0.0484	96.97
Super Bike Wash			
	1.7143	0.0288	98.32
	1.6404	0.0446	97.28
	1.8171	0.0312	98.28
WD-40 Foaming Bike Wash			

CLEANING LABORATORY EVALUATION SUMMARY

	1.8400	0.0469	97.45
	1.6957	0.0271	98.40
	1.6692	0.0539	96.77
Goo Gone			
	2.0305	0.1950	90.40
	1.9971	0.0513	97.43
	2.0881	0.0792	96.21
Pro-Gold Degreaser			
	0.1719	0.0099	94.24
	0.2574	0.0209	91.88
	0.2475	0.0134	94.59
Pedro's Oranj Peelz			
	0.2628	0.0070	97.34
	0.3059	0.0167	94.54
	0.2986	0.0175	94.14
Pedro's Degreaser 13			
	0.3862	0.0182	95.29
	0.3260	0.0413	87.33
	0.2809	0.0003	99.89
Predro's Green Fizz			
	0.5200	0.0236	95.46
	0.4137	0.0138	96.66
	0.2818	0.0084	97.02
Clean Streak			
	0.3676	0.0311	91.54
	0.5533	0.0203	96.33
	0.3292	0.0075	97.72

Summary:

Substrates:	Aluminum
Contaminants:	Lubricating/Lapping Oils, Dirt

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Troy Corporation	Tetra T08867	100	92.01	☑	
Troy Corporation	Tetra T08868	100	93.69	☑	
Troy Corporation	Tetra T08869	100	93.94	☑	
Troy Corporation	Tetra T08870	100	92.81	☑	
Troy Corporation	Tetra T08871	100	92.41	☑	
Water	Water	100	98.99	☑	
Simple Green	Crystal Simple Green Industrial Cleaner & Degreaser	100	97.59	☑	
Finish Line Technologies Inc	Super Bike Wash Concentrate	100	97.96	☑	
WD 40 Company	WD 40 Foaming Bike Wash	100	97.54	☑	
Goo Gone	Goo Gone Original	100	94.68	☑	
Abc Compounding	Pro-gold Degreaser	100	93.57	☑	
Pedro's	Oranj Peelz	100	95.34	☑	
Pedro's	Degreaser 13	100	94.17	☑	
Pedro's	Green Fizz	100	96.38	☑	
White Lightning	Clean Streak (Aerosol)	100	95.20	☑	

Conclusion: All products removed soil.