CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2016

DateRun: 11/07/2016

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: Evaluate Troy Corp cleaners on bike soils

Experimental Procedure: Initial weights of the coupons were recorded. The coupons were then soiled with 1.6g of bike soil. Dirty weights were recorded and they were placed in threes into the Manual SLW machine. The coupons and paper towel were both sprayed twice with the selected cleaner. 5 complete back and forth cycles were run and the coupons were then allowed to dry. Once dry, the clean weights were recorded. This process was repeated for each cleaner.

Results:

Cleaner	Initial wt	Final wt.	% Removed	Average %
T08867	2.12	0.19	91.07	92.01
	2.31	0.22	90.63	
	2.38	0.13	94.34	
T08868	1.53	0.17	88.78	93.69
	2.92	0.12	95.98	
	2.12	0.08	96.33	
T08869	2.54	0.14	94.44	93.94
	1.81	0.15	91.98	
	2.26	0.10	95.40	
T08870	2.35	0.22	90.50	92.81
	2.28	0.14	93.96	
	2.09	0.13	93.98	
T08871	1.77	0.03	98.41	98.99
	1.77	0.01	99.29	
	1.76	0.01	99.28	
Water	2.15	0.18	91.72	92.41
	2.26	0.23	89.90	
	2.22	0.10	95.61	
Simple Clean	2.09	0.07	96.70	97.59
	2.16	0.02	99.12	
	1.60	0.05	96.97	
Super Bike Wash	1.71	0.03	98.32	97.96
	1.64	0.04	97.28	
	1.82	0.03	98.28	
WD40 Foaming Bikewash	1.84	0.05	97.45	97.54
	1.70	0.03	98.40	
	1.67	0.05	96.77	
Goo Gone	2.03	0.19	90.40	94.68
	2.00	0.05	97.43	
	2.09	0.08	96.21	

Summary:

Substrates:	Aluminum
Contaminants:	Lubricating/Lapping Oils, Dirt

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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	98.99	☑	
Water	Water	100	92.41	☑	
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	☑	

Conclusion: All products worked on the bike soil.