

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2016
 DateRun: 11/08/2016
 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.

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	<input checked="" type="checkbox"/>	
Troy Corporation	Tetra T08868	100	93.69	<input checked="" type="checkbox"/>	
Troy Corporation	Tetra T08869	100	93.94	<input checked="" type="checkbox"/>	
Troy Corporation	Tetra T08870	100	92.81	<input checked="" type="checkbox"/>	
Troy Corporation	Tetra T08871	100	98.99	<input checked="" type="checkbox"/>	
Water	Water	100	92.41	<input checked="" type="checkbox"/>	
Simple Green	Crystal Simple Green Industrial Cleaner & Degreaser	100	97.59	<input checked="" type="checkbox"/>	
Finish Line Technologies Inc	Super Bike Wash Concentrate	100	97.96	<input checked="" type="checkbox"/>	
WD 40 Company	WD 40 Foaming Bike Wash	100	97.54	<input checked="" type="checkbox"/>	
Goo Gone	Goo Gone Original	100	94.68	<input checked="" type="checkbox"/>	

Conclusion: All products worked on the bike soil.