

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2016
 DateRun: 11/08/2016
 Experimenters: John Truong, James Keats
 ClientType: Maintenance Shop
 ProjectNumber: Project #1
 Substrates: Aluminum
 PartType: Coupon
 Contaminants: Lubricating/Lapping Oils, Dirt, Glass
 Cleaning Methods: Manual Wipe
 Analytical Methods: Gravimetric
 Purpose: Evaluate Troy Corp cleaners for bike cleaning

Experimental Procedure: Initial weights of the coupons were recorded. The coupons were then soiled with 1.6g of bike soil. Dirty weights were measured 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 of cont.	Final wt of cont.	%Cont Removed	Average %Cont. Removed
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	
WD-40 Foaming Bike Wash	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, Glass				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:

CLEANING LABORATORY EVALUATION SUMMARY

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"/>	
Environmental Intelligence	Simple Green 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 of the products removed over 92% of the soil.