

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2016
 DateRun: 12/07/2016
 Experimenters: John Truong, James Keats
 ClientType:
 ProjectNumber: Project #1
 Substrates: White Board
 PartType: Coupon
 Contaminants: Lubricating/Lapping Oils, Dirt
 Cleaning Methods: Manual Wipe
 Analytical Methods: Gravimetric
 Purpose: Evaluate compartaive products on same soils as Troy Corp cleaners

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 | Substrate | Coupon # | Initial wt | Final wt | % Removed |
|----------------------------|-------------------------|----------|------------|----------|-----------|
| Simple Green | Painted Stainless Steel | | | | |
| | | 2 | 1.7134 | 0.0605 | 96.47 |
| | | 3 | 1.7686 | 0.0476 | 97.31 |
| | | 10 | 1.3045 | 0.0671 | 94.86 |
| WD-40 Bike Wash | Painted Stainless Steel | | | | |
| | | 11 | 1.6266 | 0.1206 | 92.59 |
| | | 20 | 1.6056 | 0.0980 | 93.90 |
| | | 33 | 1.6566 | 0.0969 | 94.16 |
| Goo Gone Remover Spray Gel | Painted Stainless Steel | | | | |
| | | 49 | 1.9437 | 0.0644 | 96.69 |
| | | 60 | 2.0849 | 0.0488 | 97.66 |
| | | 121 | 1.9408 | 0.0550 | 97.17 |
| Water | Painted Stainless Steel | | | | |
| | | 1 | 2.0715 | 0.1378 | 93.35 |
| | | 6 | 2.0560 | 0.1105 | 94.63 |
| | | 7 | 2.1508 | 0.2301 | 89.30 |
| Finishline Super Bike Wash | Painted Stainless Steel | | | | |
| | | 9 | 1.9948 | 0.5843 | 70.71 |
| | | 13 | 1.9886 | 0.7817 | 60.69 |
| | | 51 | 1.8969 | 0.1223 | 93.55 |

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|----------|----------------------|--------------------------------|---------------|--------------------|-------------------|----------------------|
| Summary: | Substrates: | White Board | | | | |
| | Contaminants: | Lubricating/Lapping Oils, Dirt | | | | |
| | Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |

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|------------------------------|---|-----|-------|-------------------------------------|--|
| Simple Green | Crystal Simple Green Industrial Cleaner & Degreaser | 100 | 96.21 | <input checked="" type="checkbox"/> | |
| WD 40 Company | WD 40 Foaming Bike Wash | 100 | 92.42 | <input checked="" type="checkbox"/> | |
| Goo Gone | Goo Gone Original | 100 | 93.54 | <input checked="" type="checkbox"/> | |
| Water | Water | 100 | 74.98 | <input type="checkbox"/> | |
| Finish Line Technologies Inc | Super Bike Wash Concentrate | 100 | 97.17 | <input checked="" type="checkbox"/> | |

Conclusion: The four comparative products worked.