CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2017

DateRun: 12/19/2017

Experimenters: Alicia McCarthy, Hayley Byra

ClientType: Cleaner Manufacturer

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Films, Soaps

Cleaning Methods: Manual Wipe

Analytical Methods: Gloss-Color Meter

Purpose: To compare the effectiveness of removing Hucker's soil from a variety of surfaces using the supplied cleaning products.

Experimental Procedure: A Spectro Guide Gloss-Color meter from BYK Gardner was used to measure baseline gloss readings from six coupons, three per cleaner before soiling with one gram of glass soil (51.5% water, 25.6% hair gel, 10.4% toothpaste, 5.3% shaving cream, 3.7% hair spray, 3.5% spray deodorant) using a swab. Coupons air dried at room temperature (68F) for 24 hours before recording dirty gloss readings. A sponge provided by EcoEgg was used to manually clean with both the supplied and comparative product. The sponge was cut into four pieces and one piece was used per cleaner. A sponge piece was saturated once with deionized water before rubbing it into the EcoEgg hard surface cleaner in a circular motion for five seconds. The coupons were cleaned one at a time for 30 seconds in a circular motion with a reapplication of the cleaner between each coupon. A dime sized drop of the comparative product was applied directly to the coupons one at a time and cleaned with a wet sponge for 30 sections in a circular motion. The coupons were dried by wiping once with a microfiber towel before taking clean gloss readings and final observations.

Results:

Cleaner	Initial Gloss	Final Gloss	Observations
1	51.70	55.90	Left a soil outline. No other visible streaks
	66.00	66.20	
	27.90	35.80	
2	27.40	39.30	No outline of soil. No streaks.
	62.80	69.10	
	71.00	55.60	

Summary:

Substrates:	Stainless Steel				
Contaminants:	Films, Soaps				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Eco Egg	Hard Surface Cleaner Citrus	100	0.00	☑	
Dial Professional	Soft Scrub Lemon	100	0.00	☑	

Conclusion: Both products improved the gloss readings. Some residue was left behind by the Eco Egg product.