

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2009

DateRun: 06/04/2009

Experimenters: Jason Marshall, Junhee Cho

ClientType: Cleaner Manufacturer

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Films

Cleaning Methods: Manual Wipe

Analytical Methods: Gloss-Color Meter

Purpose: To evaluate aerosol stainless steel polish on stainless steel for gloss levels

Experimental Procedure: A Spectro Guide Gloss-Color meter from BYK Gardner was used to evaluate gloss. Baseline gloss readings of the surface were taken in five locations on stainless steel coupons. An aerosol product was then sprayed onto the surface, wiped off with a cotton rag and gloss readings were taken again in the same five locations. The difference in gloss-color was then compared to determine effectiveness.

Results: Weiman showed little difference in the post gloss from the pre gloss reading but was slightly lower. A00142 and 3M showed an increase in gloss with Spartan showing a significant increase in gloss when comparing pre to post readings. A00146 and Claire showed a decrease in gloss when comparing pre and post gloss measurements.

Product	Initial	Average	Final	Average	Delta Gloss	Rank
Amrep A00146						
	84.9	95.7	110.4	76.1	19.7	5
	75.5	61.6				
	126.9	56.2				
Amrep A00142						
	49.2	43.4	64.3	61.9	-18.5	3
	45.9	49.9				
	35.3	71.6				
3M SS cleaner/polish						
	52.9	45.1	64.9	63.9	-18.8	2
	46.8	59.9				
	35.8	67				
Spartan SS cleaner						
	33.9	39.7	73.8	83.5	-43.9	1
	60.8	90.2				
	24.3	86.6				
Claire SS maintainer						
	34.6	59.6	30.9	34.5	25.2	6
	94.2	47.6				
	50	24.9				
Weiman SS cleaner						
	45.2	60	48.6	57.5	2.6	3
	16.5	46.8				
	118.4	77				

Larger Ave Delta less shine

Summary:

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<b>Substrates:</b>	Stainless Steel				
<b>Contaminants:</b>	Films				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Amrep Inc	Stainless Steel Cleaner & Polish A00146 Aerosol	100		<input type="checkbox"/>	Rank = 5
Amrep Inc	Misty Painless Stainless A00142 Aerosol	100		<input checked="" type="checkbox"/>	Rank = 3
3M	Stainless Steel Cleaner & Polish Aerosol	100		<input checked="" type="checkbox"/>	Rank = 2
Spartan Chemical Company	Stainless Steel Cleaner Polish Aerosol	100		<input checked="" type="checkbox"/>	Rank = 1
Claire Manufacturing	Stainless Steel Polish & Cleaner Aerosol	100		<input type="checkbox"/>	Rank = 6
Herbert Stanley Comp	Weiman Stainless Steel Cleaner & Polish Aerosol	100		<input checked="" type="checkbox"/>	Rank = 3

Conclusion:

The Amrep Aspire product ranked fourth out of six products for stainless steel polishing increase in gloss levels.