# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2009

DateRun: 06/03/2009

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:

| **Substrates:** | Stainless Steel |
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# CLEANING LABORATORY EVALUATION SUMMARY

| Contaminants: | Films | | | | |
|---|---|---|---|---|---|
| **Company Name:** | **Product Name:** | **Conc.:** | **Efficiency:** | **Effective:** | **Observations:** |
| Amrep Inc | Stainless Steel Cleaner & Polish A00146 Aerosol | 100 | 0.00 | ☐ | Rank = 5 |
| Amrep Inc | Misty Painless Stainless A00142 Aerosol | 100 | 0.00 | ☑ | Rank = 3 |
| 3M | Stainless Steel Cleaner & Polish Aerosol | 100 | 0.00 | ☑ | Rank = 2 |
| Spartan Chemical Company | Stainless Steel Cleaner Polish Aerosol | 100 | 0.00 | ☑ | Rank = 1 |
| Claire Manufacturing | Stainless Steel Polish & Cleaner Aerosol | 100 | 0.00 | ☐ | Rank = 6 |
| Herbert Stanley Comp | Weiman Stainless Steel Cleaner & Polish Aerosol | 100 | 0.00 | ☑ | Rank = 3 |

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