

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1999

DateRun: 08/13/1999

Experimenters: Nicole Vayo

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum, Copper, Nickel, Stainless Steel

PartType: Coupon

Contaminants: Buffing/Polishing Compounds, Coatings, Greases, Inks, Lubricating/Lapping Oils, Oil

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric, Visual

Purpose: Laboratory evaluations of alternative cleaning products

Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.  
Laboratory evaluation.  
Contaminant: Buffing compound, CAS: 64-56-1, 1314-13-2, 119-47-1, 8052-10-6  
Coating, CAS: 64742-47-8, 64742-52-5  
Grease, CAS: 64742-47-8  
Ink, CAS: 67-63-0, 108-88-3, 9004-70-0, 109-60-4  
Lubricant, CAS: 64742-47-8, 9003-29-6  
Oil, CAS: 64741-89-5

Results: Buffing observations: 1/2 hour, no change, 1 hour same

Summary:

| <b>Substrates:</b>   | Aluminum, Copper, Nickel, Stainless Steel   |        |             |                                     |                    |
|----------------------|---|--------|-------------|-------------------------------------|--------------------|
| <b>Contaminants:</b> | Buffing/Polishing Compounds, Coatings, Greases, Inks, Lubricating/Lapping Oils, Oil |        |             |                                     |                    |
| Company Name:        | Product Name:   | Conc.: | Efficiency: | Effective:                          | Observations:      |
| New Pig Corporation  | New Pig Degreaser   | 5      |             | <input type="checkbox"/>            | buffing, no change |
| New Pig Corporation  | New Pig Degreaser   | 5      | 14.20       | <input type="checkbox"/>            | coating            |
| New Pig Corporation  | New Pig Degreaser   | 5      | 98.00       | <input type="checkbox"/>            | grease             |
| New Pig Corporation  | New Pig Degreaser   | 5      | 1.35        | <input type="checkbox"/>            | ink                |
| New Pig Corporation  | New Pig Degreaser   | 5      | 85.60       | <input checked="" type="checkbox"/> | lubricant          |
| New Pig Corporation  | New Pig Degreaser   | 5      | 99.90       | <input checked="" type="checkbox"/> | oil                |
| New Pig Corporation  | Hoofmark Industrial Degresaser  | 5      | 100.00      | <input checked="" type="checkbox"/> | grease             |
| New Pig Corporation  | Hoofmark Industrial Degresaser  | 5      | 1.80        | <input type="checkbox"/>            | ink                |
| New Pig Corporation  | Hoofmark Industrial Degresaser  | 5      | 74.80       | <input type="checkbox"/>            | lubricant          |
| New Pig Corporation  | Hoofmark Industrial Degresaser  | 5      | 92.90       | <input checked="" type="checkbox"/> | oil                |
| New Pig Corporation  | Hoofmark All Purpose Cleaner & Degreaser  | 5      | 90.60       | <input checked="" type="checkbox"/> | grease             |
| New Pig Corporation  | Hoofmark All Purpose Cleaner & Degreaser  | 5      | 67.60       | <input type="checkbox"/>            | lubricant          |
| New Pig Corporation  | Hoofmark All Purpose Cleaner & Degreaser  | 5      | 60.98       | <input type="checkbox"/>            | oil                |

Conclusion: