

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:

| Substrates: | Aluminum, Copper, Nickel, Stainless Steel | | | | |
|----------------------|---|--------|-------------|-------------------------------------|--------------------|
| Contaminants: | 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: