

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2000

DateRun: 04/07/2000

Experimenters: John Brunelle

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum, Brass, Copper, Nickel, Stainless Steel, Steel

PartType: Coupon

Contaminants: Adhesive, Fluxes, Greases, Lubricating/Lapping Oils, Dirt, Oil

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric

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: Oil, CAS: 64741-89-5, 8052-42-4
Grease, CAS: 64742-47-8
Flux, RMA
Lubricant, CAS: 8052-42-4, 64742-57-0, 64742-62-7
Adhesive, ACR Sealer 5504
Sludge

Results:

Summary:

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|----------------------|--|---------------|--------------------|-------------------------------------|----------------------|
| Substrates: | Aluminum, Brass, Copper, Nickel, Stainless Steel, Steel | | | | |
| Contaminants: | Adhesive, Fluxes, Greases, Lubricating/Lapping Oils, Dirt, Oil | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Bio Chem Systems | Bio T Parts Washer NR | 100 | 73.70 | <input type="checkbox"/> | oil |
| Bio Chem Systems | Bio T Parts Washer NR | 100 | 95.67 | <input checked="" type="checkbox"/> | grease |
| Bio Chem Systems | Bio T Parts Washer NR | 100 | 95.37 | <input checked="" type="checkbox"/> | flux |
| Bio Chem Systems | Bio T Parts Washer NR | 100 | 97.56 | <input checked="" type="checkbox"/> | lubricant |
| Tower Products Inc | Tower 270 Cleaner Concentrate | 5 | 98.20 | <input checked="" type="checkbox"/> | oil |
| Tower Products Inc | Tower 270 Cleaner Concentrate | 5 | 6.72 | <input type="checkbox"/> | grease |
| Tower Products Inc | Tower 270 Cleaner Concentrate | 5 | 206.90 | <input type="checkbox"/> | flux |
| Heatbath Corporation | Multi-Kleen 1568 | 5 | 141.20 | <input type="checkbox"/> | oil |
| Heatbath Corporation | Multi-Kleen 1568 | 5 | 26.60 | <input type="checkbox"/> | grease |
| Heatbath Corporation | Multi-Kleen 1568 | 5 | 97.90 | <input type="checkbox"/> | Flux |
| Smart Sonic Corp | 440 R SMT Detergent | 5 | -0.70 | <input type="checkbox"/> | oil |
| Smart Sonic Corp | 440 R SMT Detergent | 5 | 98.40 | <input checked="" type="checkbox"/> | grease |

Conclusion: