

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 11/15/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Cutting/Tapping Fluids

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.
Cleaning: 5 min Immersion cleaning with stir-bar agitation @ 68 F
Rinsing: 1/2 min, manual, in 68 F water (tap) ambient
Drying: 1 min with heat gun @ 500F
Contaminant: Relton, Rapid Tap HD Cutting Fluid
CAS# 61788-76-9, 64742-58-1

Results:

Summary:

| | | | | | |
|------------------------------|--|---------------|--------------------|-------------------------------------|----------------------|
| Substrates: | Stainless Steel | | | | |
| Contaminants: | Cutting/Tapping Fluids | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Buckeye International | XL 100 Cleaner & Degreaser | 5 | 85.85 | <input checked="" type="checkbox"/> | |
| Buckeye International | Immersion Cleaner | 5 | 93.15 | <input checked="" type="checkbox"/> | |
| Buckeye International | Ambush | 5 | 90.15 | <input checked="" type="checkbox"/> | |
| SOQ Environmental Technology | Ecomate FN | 5 | 91.90 | <input checked="" type="checkbox"/> | |
| Simple Green | Concentrated Industrial Strength Cleaner and Degreaser | 5 | 83.41 | <input type="checkbox"/> | |
| Magnaflux | Daraclean 236 | 5 | 65.33 | <input type="checkbox"/> | |
| Magnaflux | Daraclean 203 | 5 | 81.62 | <input type="checkbox"/> | |

Conclusion: