

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/09/2002

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 @ 120 F  
Rinsing: 1/2 min, manual, in 102 F water (tap)  
Drying : 1 min with heatg un @ 500F  
Contaminant: Steco Corp, Tap Magic Protap ( cutting Fluid )  
CAS# 112-80-1

Results: Grease Off 2: First run came up with varied results, 138%, 38% & 92%. Re-ran trial with same coupons. Better results of 97%, 96.5% & 98%

Summary:

| <b>Substrates:</b>                 |                               | Stainless Steel        |             |                                     |               |
|------------------------------------|-------------------------------|------------------------|-------------|-------------------------------------|---------------|
| <b>Contaminants:</b>               |                               | Cutting/Tapping Fluids |             |                                     |               |
| Company Name:                      | Product Name:                 | Conc.:                 | Efficiency: | Effective:                          | Observations: |
| Kleer Flo Company                  | Grease Off 2                  | 5                      | 97.02       | <input type="checkbox"/>            |               |
| Valtech Corporation                | Valtron SP 2201               | 5                      | 98.91       | <input checked="" type="checkbox"/> |               |
| Valtech Corporation                | Valtron SP 2200               | 5                      | 98.48       | <input checked="" type="checkbox"/> |               |
| Permatex Industrial Corporation    | Natural Blue                  | 5                      | 99.27       | <input checked="" type="checkbox"/> |               |
| International Products Corporation | LF 2100 (Liquid Foam Cleaner) | 5                      | 98.22       | <input checked="" type="checkbox"/> |               |
| US Polychem Corporation            | Polychem PW 147               | 5                      | 99.76       | <input checked="" type="checkbox"/> |               |

Conclusion: All cleaners were effective (> 96%)