

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/18/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Alloys

PartType: Coupon

Contaminants: Inks

Cleaning Methods: Ultrasonics

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.
 Degasing: Degasing the solution by keeping solutions in ultrasonic crest for 5 min at 120 F.
 Cleaning: Ultrasonic for 2 min. at 120 F.
 Rinsing: 1/2 min. manual with water at 120 F.
 Contaminant: ITW, Dykem Corp, Ink, Steel Blue - DX - 100

Results:

Summary:

| Substrates: | Alloys | | | | |
|------------------------------------|-------------------------------|--------|-------------|-------------------------------------|---------------|
| Contaminants: | Inks | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Valtech Corporation | Valtron SP 2201 | 5 | 12.86 | <input type="checkbox"/> | |
| Kleer Flo Company | Grease Off 2 | 5 | 18.57 | <input type="checkbox"/> | |
| Valtech Corporation | Valtron SP 2200 | 2 | 26.68 | <input type="checkbox"/> | |
| International Products Corporation | LF 2100 (Liquid Foam Cleaner) | 5 | -20.67 | <input type="checkbox"/> | |
| US Polychem Corporation | Polychem PW 147 | 5 | 104.00 | <input checked="" type="checkbox"/> | |

Conclusion: Only Perfect way 147 was found to be effective with 104% removal on average. This differs from trial 147, where the same ultrasonics and cleaners were used (except for Natural Blue was used in Trial 147) after 5-minute immersion cleaning in trial 145.