

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2001  
 DateRun: 03/27/2001  
 Experimenters: John Brunelle  
 ClientType: Lab  
 ProjectNumber: Project #1  
 Substrates: Aluminum, Brass, Stainless Steel, Other  
 PartType: Coupon  
 Contaminants: Coatings, Cutting/Tapping Fluids, Greases, Inks, Lubricating/Lapping Oils, 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: Grease, KSL 111, CAS: 64742-47-8  
 Oil, Hydraulic, CAS: 64742-65-0  
 Lubricant, CAS: 8052-42-4, 64742-57-0, 64742-62-7  
 Cutting Fluid - Winbro Alumtap CAS: 127-18-4  
 Ink, Tough Tex  
 Coating, Tectyl 506 Rust Preventative, CAS: 8052-41-3

## Results:

### Summary:

|                         |  |               |                    |                                     |                      |
|-------------------------|--|---------------|--------------------|-------------------------------------|----------------------|
| <b>Substrates:</b>      | Aluminum, Brass, Stainless Steel, Other  |               |                    |                                     |                      |
| <b>Contaminants:</b>    | Coatings, Cutting/Tapping Fluids, Greases, Inks, Lubricating/Lapping Oils, Oil |               |                    |                                     |                      |
| <b>Company Name:</b>    | <b>Product Name:</b>   | <b>Conc.:</b> | <b>Efficiency:</b> | <b>Effective:</b>                   | <b>Observations:</b> |
| Calgon Corporation      | Geo Guard 4017   | 5             | 5.95               | <input type="checkbox"/>            | ink                  |
| Calgon Corporation      | Geo Guard 4017   | 5             | 2.25               | <input type="checkbox"/>            | coating              |
| Calgon Corporation      | Geo Guard 4017   | 5             | 26.90              | <input type="checkbox"/>            | grease               |
| Hurri Kleen Corporation | Special Formula Degreaser  | 5             | 101.36             | <input checked="" type="checkbox"/> | oil                  |
| Hurri Kleen Corporation | Special Formula Degreaser  | 5             | 59.19              | <input type="checkbox"/>            | grease               |
| Hurri Kleen Corporation | Special Formula Degreaser  | 5             | 7.93               | <input type="checkbox"/>            | lubricant            |
| New Pig Corporation     | Hoofmark All Purpose Cleaner & Degreaser                                       | 5             | 96.42              | <input checked="" type="checkbox"/> | cutting fluid        |
| New Pig Corporation     | Hoofmark All Purpose Cleaner & Degreaser                                       | 5             | 25.99              | <input type="checkbox"/>            | grease               |
| New Pig Corporation     | Hoofmark All Purpose Cleaner & Degreaser                                       | 5             | 100.53             | <input checked="" type="checkbox"/> | oil                  |
| Oakite Products         | Oakite 77  | 4             | 96.38              | <input checked="" type="checkbox"/> | oil                  |
| Oakite Products         | Oakite 77  | 4             | 103.74             | <input type="checkbox"/>            | lubricant            |
| Oakite Products         | Oakite 77  | 4             | 61.79              | <input type="checkbox"/>            | grease               |

### Conclusion: