

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2000  
 DateRun: 08/02/2000  
 Experimenters: John Brunelle  
 ClientType: Lab  
 ProjectNumber: Project #1  
 Substrates: Aluminum, Stainless Steel  
 PartType: Coupon  
 Contaminants: Greases, 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: Oil, CAS: 64741-89-5, 8052-42-4  
 Lubricant, CAS: 8052-42-4, 64742-57-0, 64742-62-7  
 Grease, CAS: 64742-47-8

Results: Bio T V 50 leaves a trace of residue film on coupon.

Summary:

| <b>Substrates:</b>            | Aluminum, Stainless Steel              |        |             |                                     |               |
|-------------------------------|--|--------|-------------|-------------------------------------|---------------|
| <b>Contaminants:</b>          | Greases, Lubricating/Lapping Oils, Oil |        |             |                                     |               |
| Company Name:                 | Product Name:                          | Conc.: | Efficiency: | Effective:                          | Observations: |
| Bio Chem Systems              | Bio T V 50                             | 20     | 84.32       | <input type="checkbox"/>            | oil           |
| Bio Chem Systems              | Bio T V 50                             | 20     | 99.34       | <input checked="" type="checkbox"/> | lubricant     |
| Bio Chem Systems              | Bio T V 50                             | 20     | 39.56       | <input type="checkbox"/>            | grease        |
| Hurri Kleen Corportion        | Parts Washer Degreaser                 | 5      | 96.66       | <input checked="" type="checkbox"/> | oil           |
| Hurri Kleen Corportion        | Parts Washer Degreaser                 | 5      | 11.41       | <input type="checkbox"/>            | lubricant     |
| Hurri Kleen Corportion        | Parts Washer Degreaser                 | 5      | 68.86       | <input type="checkbox"/>            | grease        |
| North Atlantic Bio Industries | NAB 9000                               | 5      | 90.83       | <input checked="" type="checkbox"/> | oil           |
| North Atlantic Bio Industries | NAB 9000                               | 5      | 5.60        | <input type="checkbox"/>            | lubricant     |
| North Atlantic Bio Industries | NAB 9000                               | 5      | 31.14       | <input type="checkbox"/>            | grease        |
| Warren Chemical Company       | Sea Wash 8 No Force                    | 5      | 74.06       | <input type="checkbox"/>            | oil           |
| Warren Chemical Company       | Sea Wash 8 No Force                    | 5      | 8.90        | <input type="checkbox"/>            | lubricant     |
| Warren Chemical Company       | Sea Wash 8 No Force                    | 5      | 64.94       | <input type="checkbox"/>            | grease        |

Conclusion: