

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 09/27/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Greases

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)  
 Drying: 1 min with heat gun @ 500F  
 Contaminant: Formax Manufacturing Corp, F-26 grease stick polishing lubricant (solid)  
 CAS# 68815-16-7 Saponified stearic  
 67701-27-3 Hydrofol glycerine  
 64742-52-5 Mineral oil  
 102-71-6 Emulsifying agent

Results: None of the cleaners were effective at ambient temperature. Will perform next trial with added heat, cleaners and rinse water will be at 120 F.

## Summary:

| <b>Substrates:</b>        |                                  | Stainless Steel |             |                          |               |  |
|---------------------------|----------------------------------|-----------------|-------------|--------------------------|---------------|--|
| <b>Contaminants:</b>      |                                  | Greases         |             |                          |               |  |
| Company Name:             | Product Name:                    | Conc.:          | Efficiency: | Effective:               | Observations: |  |
| EcoLink                   | Bulldog                          | 5               | 62.83       | <input type="checkbox"/> |               |  |
| Innovative Organics Inc   | Amberclean Q3                    | 5               | 27.34       | <input type="checkbox"/> |               |  |
| AG Environmental Products | Soy Clear 1500                   | 100             | -64.47      | <input type="checkbox"/> |               |  |
| AG Environmental Products | Canola Gold CE110                | 100             | 8.53        | <input type="checkbox"/> |               |  |
| Phase III Inc             | California Parts Washer Solution | 5               | 15.36       | <input type="checkbox"/> |               |  |
| PCI of America            | Hurrisafe 9575                   | 5               | 21.76       | <input type="checkbox"/> |               |  |

## Conclusion: