

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2001

DateRun: 11/19/2001

Experimenters: Ravi Krishnappa

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Lubricating/Lapping Oils

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.  
(i) 5 minute immersion cleaning with stir bar agitation @ 120 degree F.  
(ii) 30 sec manual rinse with water @120 degree F.  
(iii) air drying for about 24 hours.  
CONTAMINANT INFO: CRC Cutting Oil - Thread cutting compound for ferrous and non-ferrous  
64742-53-6, 64742-52-5, 75-28-5, 74-98-6

## Results:

### Summary:

| <b>Substrates:</b>           |                                  | Stainless Steel          |             |                                     |               |
|------------------------------|----------------------------------|--------------------------|-------------|-------------------------------------|---------------|
| <b>Contaminants:</b>         |                                  | Lubricating/Lapping Oils |             |                                     |               |
| Company Name:                | Product Name:                    | Conc.:                   | Efficiency: | Effective:                          | Observations: |
| EnviroSan Products Ltd       | Solution 2000                    | 10                       | 77.20       | <input type="checkbox"/>            |               |
| LPS Laboratories             | Precision Clean Concentrate      | 10                       | 92.60       | <input checked="" type="checkbox"/> |               |
| EcoLink                      | Heavy Weight Non Butyl Detergent | 10                       | 65.40       | <input type="checkbox"/>            |               |
| Cleaning Systems             | Release                          | 10                       | 80.30       | <input type="checkbox"/>            |               |
| Ardrox Inc                   | 6333                             | 25                       | 98.80       | <input type="checkbox"/>            |               |
| Baum's Castorine Company Inc | EZE Oil-Grease Cleaner           | 25                       | 93.80       | <input checked="" type="checkbox"/> |               |

### Conclusion: