

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2001

DateRun: 12/17/2001

Experimenters: Purav Dave

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 at 120 F with stir-bar agitation. Rinsing : 1/2 min, manual in water at 120 F
Drying : Drying at room temperature for 16 hrs.
Contaminant : Castrol Inc. -Braycote Perfluoropolyether High Temperature lubricating grease.

Results: There was increase in weight of some coupons. This is due to the fact that grease was not removed at all from the coupons and it retained the water.

Summary:

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|-----------------------|----------------------|-----------------|--------------------|--------------------------|----------------------|
| Substrates: | | Stainless Steel | | | |
| Contaminants: | | Greases | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Alconox Inc | Alcojet | 1 | 2.15 | <input type="checkbox"/> | |
| Buckeye International | Shopmaster FF | 5 | 1.15 | <input type="checkbox"/> | |
| Buckeye International | Shopmaster HP | 5 | 1.88 | <input type="checkbox"/> | |
| Buckeye International | Shopmaster LPH | 5 | 3.48 | <input type="checkbox"/> | |
| Calgon Corporation | SC 431 | 5 | 2.99 | <input type="checkbox"/> | |
| Buckeye International | Immersion Cleaner | 5 | 2.94 | <input type="checkbox"/> | |
| Brulin Corporation | Aquavantage 1400 | 5 | 2.75 | <input type="checkbox"/> | |

Conclusion: Failure of all the cleaners.