

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2005

DateRun: 08/09/2005

Experimenters: Jason Marshall

ClientType: Metal Finishing

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Part

Contaminants: Buffing/Polishing Compounds

Cleaning Methods: Immersion/Soak

Analytical Methods: Photography, Visual

Purpose: To evaluate successful cleaners on second set of supplied parts.

Experimental Procedure: Three products from the previous trial were selected based on their high efficiency removing the various buffing compounds. Each product, Ensolv, CCA and Lenium ES were poured into 250 ml glass beakers and placed on a magnetic stir-plate. Six parts presoiled with the yellow buffing compound were photographed to establish the baseline level of contamination. Two parts were immersed into each solution and cleaned for 5 minutes at room temperature. Following cleaning, parts were photographed again and observations were made.

Results: All three products appeared to remove most of the buffing compound from the supplied parts. Photographs of the before and after are provided below.

Summary:

| | | | | | |
|-------------------------------|-----------------------------|---------------|--------------------|-------------------------------------|----------------------|
| Substrates: | Aluminum | | | | |
| Contaminants: | Buffing/Polishing Compounds | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Enviro Tech International Inc | Ensolv | 100 | | <input checked="" type="checkbox"/> | |
| DuPont | Vertrel CCA | 100 | | <input checked="" type="checkbox"/> | |
| Petroferm Inc | Lenium ES | 100 | | <input checked="" type="checkbox"/> | |

Conclusion: As with the previous trial, cleaning results would be improved if cleaned at an elevated temperature.