CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2000

DateRun: 10/25/2000

Experimenters: John Brunelle, Todd MacFadden

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum, Brass, Copper, Nickel, Stainless Steel

PartType: Coupon

Contaminants: Buffing/Polishing Compounds, Coatings, Greases, 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: Coating, CAS: 64742-47-8, 64742-52-5
Oil, Citgo Cutting Oil 425, CAS: 64742-65-0, 64741-88-4, 64741-89-5, 64742-54-7
Grease, Formax, CAS: 68815-16-7, 67701-27-3, 64742-52-5, 102-71-6
Lubricant, Keystone, CAS: 64742-47-8, 63148-62-9
Cutting Fluid, Cutting fluid CRC, CAS: 64742-52-5, 64742-65-0, 74-98-6, 75-28-5
Buffing compound, Antique Buff, CAS: 9000-70-8, 1344-28-1, 409-21-2, 1309-37-1

Results:

Summary:

Substrates:	Aluminum, Brass, Copper, Nickel, Stainless Steel				
Contaminants:	Buffing/Polishing Compounds, Coatings, Greases, Oil				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Chemical Technologies	Green Thunder	10	99.59	☑	lubricant
Chemical Technologies	Green Thunder	10	98.48	☑	cutting fluid
Chemical Technologies	Green Thunder	10	86.74	☑	grease
Chemical Technologies	Green Thunder	10	75.13	☐	oil
Hubbard Hall Inc	Aquasonic 201	5	81.75	☐	lubricant
Hubbard Hall Inc	Aquasonic 201	5	40.59	☐	cutting fluid
Hubbard Hall Inc	Aquasonic 201	5	75.59	☐	grease
Hubbard Hall Inc	Aquasonic 201	5	88.33	☑	oil
Innovative Organics Inc	Amberclean L 12	5	93.22	☑	lubricant
Innovative Organics Inc	Amberclean L 12	5	92.03	☑	cutting fluid
Innovative Organics Inc	Amberclean L 12	5	96.81	☑	grease
Innovative Organics Inc	Amberclean L 12	5	63.30	☐	oil
ITW Fluid Products Group	AccuClean	5	89.59	☑	lubricant
ITW Fluid Products Group	AccuClean	5	77.44	☐	cutting fluid
ITW Fluid Products Group	AccuClean	5	96.18	☑	grease
ITW Fluid Products Group	AccuClean	5	90.80	☑	oil

Conclusion: