CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2001

DateRun: 10/18/2001

Experimenters: Jason Marshall

ClientType: General

ProjectNumber: Project #1

Substrates: Brass

PartType: Part

Contaminants: Rust/Scale, Oxides

Cleaning Methods: Immersion/Soak

Analytical Methods: Visual

Purpose: Third attempt to identify products that will brighten the brass parts after removing the paint.

Experimental Procedure: Two products were selected based on vendor supplied information for removal of oxides and rust. The solutions were used at full strength at room temperature and 120 F. One brass part, free of paint, was immersed into each cleaner. Observations were made at 5 and 10 minutes. At the end of the 10 minutes, the parts were rinsed in tap water at 120 F and wiped dry with a paper towel.

Results: Both products did show signs of brightening the brass parts. The increased temperature improved the results for each product. Table 1 lists the observations made.

Cleaner	Observations
Coil Bright	Did not work well at room temperature. Did brighten parts when at 120 F
Lime Scale Remover	Some brightening at room temperature after the 10 minutes. Worked better at 120 F. Less than 5 minutes for noticeable brightening.

Coil Bright (68 F)	3
Coil Bright (120 F)	2
Lime Scale (68 F)	3
Lime Scale (120 F)	1

Summary:

Substrates:	Brass				
Contaminants:	Rust/Scale, Oxides				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Watson Technical Associates	Coil Bright	100	0.00	☑	
Simple Green	Lime Scale Remover	100	0.00	☑	
Watson Technical Associates	Coil Bright	100	0.00	☐	
Simple Green	Lime Scale Remover	100	0.00	☐	

Conclusion: Brightening was moderately successful at an increased temperature for both products evaluated.