

## ***ArmaKleen Technical Service Report Summary***

**Cleaning Trial Type:** Aqueous

**Industry:** Architecture

**Segment:** 12 Railroads

**Soil:** Oil, grime, silicone, grease

**Substrate:** Steel/iron, stainless steel, aluminum, copper/brass

**Description of Part(s):** Process machine components

**Customer objective:** Improve cleaning performance, automate cleaning process, clean mixed metals together, reduce cleaning costs

**Cleaner used:** 10% by volume ArmaKleen™ M-HP-2

**Machine used:**

- Spray Washer (JRI FL 250, JRI FL 500, JRI TL 3)
- Agitating Immersion Washer (Graymills T12, Graymills T24, SK Model 81.8)

**Temperature used:** 160°F

**Time required:** 1-2 hours

**Post Cleaning:** Fresh water rinse and air pressure dried

**Recommendation to Customer:** The ArmaKleen Technical Center recommends using a 10% by volume of ArmaKleen™ M-HP-2 at 160°F in a Spray Washer for a minimum of 1 hour

**Before Picture**



**After Picture**



**Source:** TSR #19-A-107