

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

**Cleaning Trial Type:** Aqueous

**Industry:** Metal parts manufacturing

**Segment:** 26 – Fabricated Metal Products

**Soil:** Cutting fluids

**Substrate:** Steel

**Description of Part(s):** Coupons

**Customer objective:** The customer was looking to improve their cleaning performance, automate their cleaning process and clean mixed metals together.

**Cleaner used:** 5% by volume ArmaKleen 4 in 1 Cleaner

**Machine used:**

1. Spray Under Immersion Washer (Graymills T12, Graymills T24, SK 81.8 w/SUI)
2. Spray Washer (JRI TL3, JRI FL250, JRI FL500, Better Engineering G-2000)

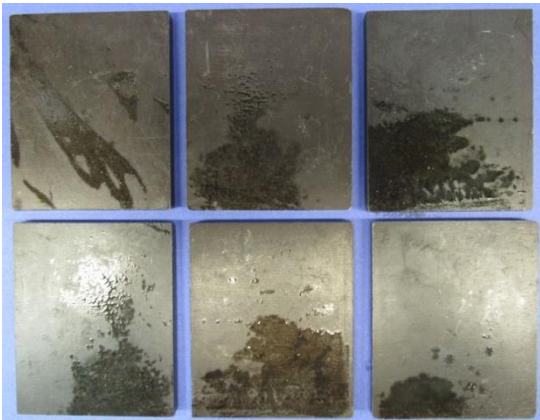
**Temperature used:** 150°F

**Time required:** 15 minutes to 1 hour

**Post Cleaning:** Fresh water rinse followed by air pressure drying.

**Recommendation to Customer:** The ArmaKleen Technical Center recommended using 5% by volume ArmaKleen™ 4 in 1 Cleaner at 150°F in either a Spray Under Immersion Washer or a Spray Washer for a minimum of 15 minutes to 1 hour.

**Before Picture**



**After Picture**



**Source:** TSR #15-A-237