

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

**Cleaning Trial Type:** Aqueous

**Industry:** OEM parts manufacturing

**Segment:** O2 Auto Retail

**Soil:** Oil

**Substrate:** Steel

**Description of Part(s):** Steel disks, springs and caps

**Customer objective:** The customer was looking to improve their cleaning performance, reduce rework and reject rate and clean mixed metals together.

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

**Machine used:**

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

**Temperature used:** 160°F

**Time required:** 15 minutes

**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 160°F in a Spray Washer or a Spray Under Immersion Washer for a minimum of 15 minutes.

**Before Picture**



**After Picture**



**Source:** TSR #13-A-127