

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

**Cleaning Trial Type:** Aqueous

**Industry:** Manufacturing

**Segment:** O2 Auto Retail

**Soil:** Shop dirt, oil

**Substrate:** Steel

**Description of Part(s):** 20.75" x 2.25" steel filters, 2.75" x 2.75" steel plate, 9" L x 3.75" H x 2" W steel connector arm

**Customer objective:** The customer wants to automate their cleaning process and recover scrap parts.

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

**Machine used:** Spray Washer (TL3, FL250, FL500)  
Ultrasonic Washer (SK6315 – Blackstone model 3523)

**Temperature used:** 160°F

**Time required:** 2 hours

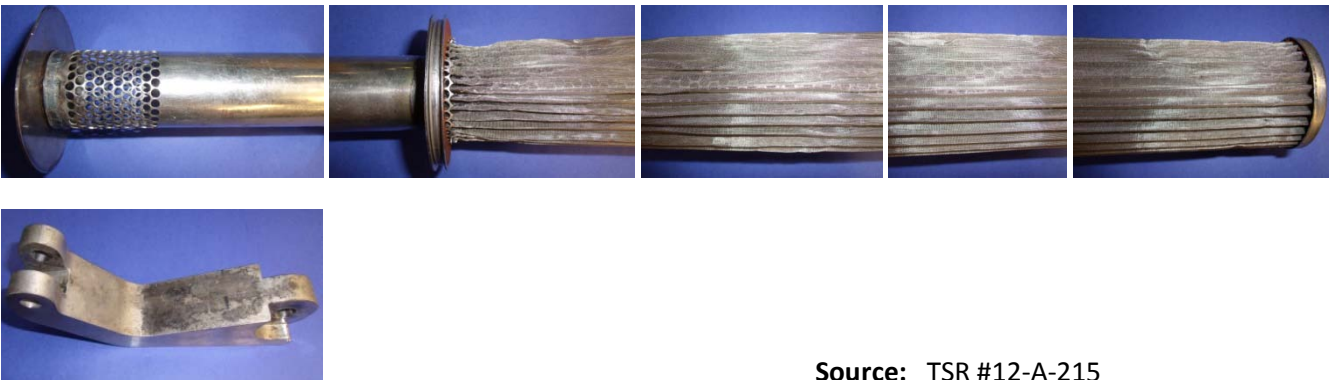
**Post Cleaning:** Fresh water rinse followed by air pressure drying

**Recommendation to Customer:** The ArmaKleen Technical Center recommended using 5% by volume 4 in 1 Cleaner in a Spray Washer or an Ultrasonic Washer at 160°F for 2 hours. Both machines could be used but a Spray Washer did better on the filters.

### **Before Pictures**



### **After Pictures**



**Source:** TSR #12-A-215