

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

**Cleaning Trial Type:** Aqueous

**Industry:** Machine Manufacturing

**Segment:** 28 Machine (Including Medical) Manufacturing

**Soil:** Oil, baked on carbon

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

**Description of Part(s):** Manifold components

**Customer objective:** Improve cleaning performance and automate cleaning process

**Cleaner used:** 10% by volume ArmaKleen™ M-100 BCR

**Machine used:**

- Spray Washer (JRI FL 250, JRI FL 500, JRI TL 3)
- Ultrasonic Washer (SK Blackstone 6315)

**Temperature used:** 160°F

**Time required:** 1 hour

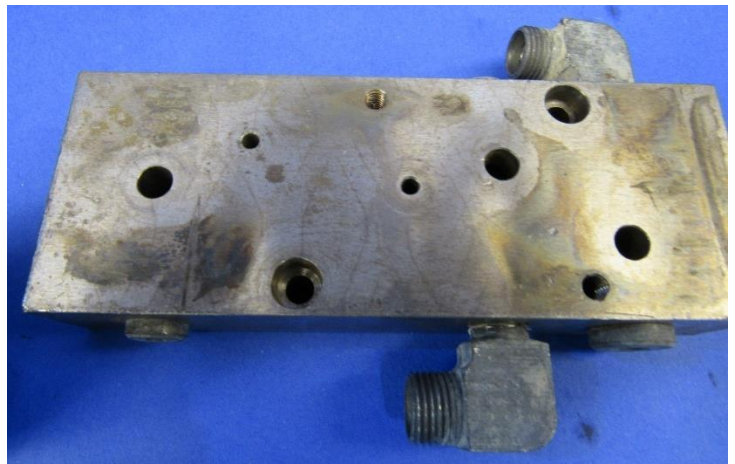
**Post Cleaning:** Fresh water rinse and air pressure dried

**Recommendation to Customer:** The ArmaKleen Technical Center recommends using a 10% by volume solution ArmaKleen™ M-100BCR at 160°F in a Spray Washer for a minimum of 1 hour

**Before Picture**



**After Picture**



**Source:** TSR #19-A-064