

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

**Cleaning Trial Type:** Aqueous

**Industry:** Hydraulics Manufacturing

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

**Soil:** Oil, honing oil

**Substrate:** Steel

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

**Customer objective:** Improve cleaning performance, automate cleaning process, reduce rework and reject rate

**Cleaner used:** 5% by volume ArmaKleen™ BIO-24

**Machine used:**

- Ultrasonic Washer (SK Blackstone 6315)
- Spray Under Immersion (Graymills T12, Graymills T24, SK Model 81.8 w/ SUI)

**Temperature used:** 160°F

**Time required:** 15-30 minutes

**Post Cleaning:** Fresh water rinse and air pressure dried, followed by drying in an incubator at 220°F

**Recommendation to Customer:** The ArmaKleen Technical Center recommends using a 5% by volume solution of ArmaKleen™ Bio 24 at 160°F in an Ultrasonic Washer or at 160°F in a Spray-Under Immersion Washer for a minimum of 15-30 minutes

**Before Picture**



**After Picture**

