

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

**Cleaning Trial Type:** Aqueous

**Industry:** Metalworking

**Segment:** Fabricated Metal Products

**Soil:** Cutting fluids, grease, Molykote P37

**Substrate:** Stainless steel, Monel QQN-281, K500

**Description of Part(s):** Process machine components

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

**Cleaner used:** 10% by volume solution of ArmaKleen™ M-HP-2

**Machine used:**

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

**Temperature used:** 160°F

**Time required:** 1 hour

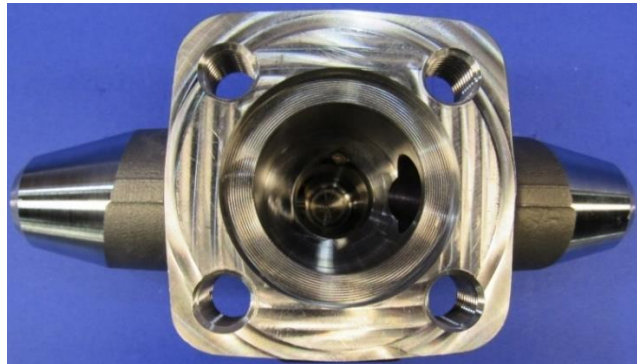
**Post Cleaning:** Some parts were rinsed with fresh water and air pressure dried, while other parts were only air pressure dried

**Recommendation to Customer:** The ArmaKleen Technical Center recommends using a 10% by volume solution of ArmaKleen™ M-HP-2 at 160°F in an Ultrasonic Washer for a minimum of 1 hour or a 10% by volume solution of ArmaKleen™ M-HP-2 at 160°F in a Spray Washer for a minimum of 1 hour, both with a fresh water rinse

**Before Picture**



**After Picture**



**Source:** TSR #18-A-024