

ArmaKleen Technical Service Report Summary

Cleaning Trial Type: Aqueous

Industry: Auto parts manufacturing

Segment: 26- Fabricated Metal Products

Soil: Oil, paraffin

Substrate: Aluminum

Description of Part(s): Coupons

Customer objective: The customer was looking to improve their cleaning performance and reduce their cleaning costs.

Cleaner used:

- 5% by volume ArmaKleen™ 4 in 1 Cleaner
- 10% by volume ArmaKleen™ 4 in 1 Cleaner
- 10% by volume ArmaKleen™ M-HP-2

Machine used:

1. Ultrasonic Washer (Blackstone SK 6315)
2. Spray Under Immersion Washer (Graymills T12, Graymills T24, SK 81.8 w/SUI)
3. Spray Washer (JRI FL250, JRI FL500, JRI TL3, Better Engineering G-2000)

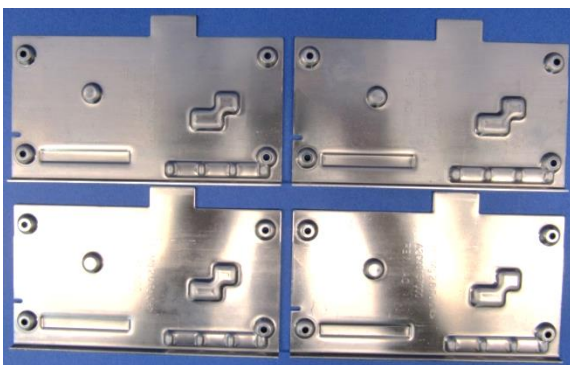
Temperature used: 150°F to 160°F

Time required: 15 minutes to 1 hour

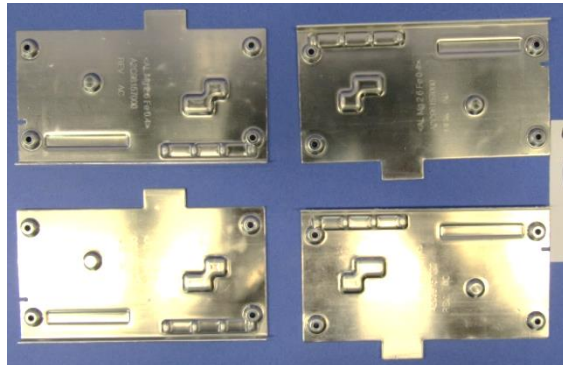
Post Cleaning: Fresh water rinse followed by air pressure drying.

Recommendation to Customer: The ArmaKleen Technical Center recommended using 5% by volume ArmaKleen™ 4 in 1 Cleaner or 5% ArmaKleen M-HP-2 at 160°F in either an Ultrasonic Washer or a Spray Washer for a minimum of 15 to 30 minutes.

Before Picture



After Picture



Source: TSR #15-A-229