

ArmaKleen Technical Service Report Summary

Cleaning Trial Type: Aqueous

Industry: Machining Manufacturing

Segment: 26 Fabricated Metal Products

Soil: Oil, cutting fluids

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

Description of Part(s): Assortment of screw, nuts, and bolts

Customer objective: Improve cleaning performance, automate cleaning process, reduce rework and reject rate, clean mixed metals together, reduce cleaning costs, utilize one cleaner for all types of metals

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

Machine used:

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

Temperature used: 160°F

Time required: 15-30 minutes

Post Cleaning: Fresh water rinse and air pressure dried

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

Before Picture



After Picture



Source: TSR #19-A-110