ArmaKleen Technical Service Report Summary

Cleaning Trial Type: Aqueous

Industry: Transportation parts distribution and manufacturing

Segment: 54 – Mfg – Transportation

Soil: Shop dirt, oil, grime, cutting fluids, grease, baked on carbon, rust/oxides, liquid epoxy paint and other unknown paint

Substrate: Steel, Aluminum, Brass, Rubber

Description of Part(s): An assortment of steel, aluminum and brass machine parts. Some of the parts have rubber gaskets.

Customer objective: The customers was looking to improve their cleaning performance, automate their cleaning process, reduce rework and reject rate and reduce their cleaning costs.

Cleaner used:

- 10% by volume solution of ArmaKleen™ Rust Remover
- 10% by volume solution of ArmaKleen™ M-100 BCR
- 5% by volume solution of ArmaKleen™ 4 in 1 Cleaner
- 100% by volume solution of ArmaKleen™ Paint and Ink Remover

Machine used:

- Ultrasonic Washer (SK Blackstone model 6315) (Soak Only)
- Spray Washer (JRI TL3, JRI FL250, JRI FL500, Better Engineering G-2000
- Spray Under Immersion Washer (Graymills T12, Graymills T24, SK Model 81.8 w/SUI)

Temperature used: 150°F – 160°F

Time required: 30 minutes to 3+ hours

Post Cleaning: Fresh rinse followed by air pressure drying

Recommendation to Customer: The ArmaKleen Technical Center recommends using a 10% by volume solution of ArmaKleen™ M-100 BCR or a 5%-10% by volume of ArmaKleen™ 4 in 1 Cleaner and/or a 100% by volume solution of ArmaKleen™ Paint and Ink Remover at 150°F-160°F in a Spray-Under Immersion Washer, a Spray Washer and/or an Ultrasonic Washer for a minimum of 30 minutes to 3+ hours.

Before Picture

After Picture

Source: TSR #17-AP-075