ArmaKleen Technical Service Report Summary

Cleaning Trial Type: Aqueous cleaning

Industry: Aerospace remanufacture

Segment: 26 Fabricated Metal Products

Soil: Cosmoline-like grease, rust

Substrate: Steel

Description of Part(s): Steel rotors

Customer objective: The customer was looking to improve their cleaning performance, automate their cleaning process, reduce their cleaning costs and eliminate hazardous chemicals and waste.

Cleaner used:

- 5% by volume ArmaKleen™ 4 in 1 Cleaner
- 12.5% by volume ArmaKleen™ Rust Remover

Machine used:

- 1. Spray Under Immersion Washer (Graymills T12, Graymills T24, SK 81.8 w/SUI)
- 2. Agitating Immersion Washer (SK 81.8, Graymills T12, Graymills T24)
- 3. Ultrasonic Washer (SK 6315)

Temperature used: 160°F

Time required: 5-20 minutes

Post Cleaning: Parts cleaned in ArmaKleen[™] 4 in 1 were left unrinsed and allowed to air dry. Parts cleaned in ArmaKleen[™] Rust Remover were fresh water rinsed followed by air pressure drying.

Recommendation to Customer: The ArmaKleen Technical Center recommended using 5% by volume ArmaKleen[™] 4 in 1 Cleaner at 160°F in a Spray Under Immersion Washer for a minimum of 10 minutes for removing the Cosmoline-like grease.

The ArmaKleen™ Technical Center recommended using 12.5% by volume ArmaKleen™ Rust Remover at 160°F in an Agitating Immersion Washer for a minimum of 5 minutes for the removal of rust.

Before Picture



After Picture



Source: TSR #13-A-102