ArmaKleen Technical Service Report Summary

Cleaning Trial Type: Aqueous

Industry: Blade manufacturing

Segment: 26 Fabricated Metal Products

Soil: Shop dirt, oil, glue/adhesive, grime, cutting fluids, silicone and rust/oxides

Substrate: Steel

Description of Part(s): 11" steel circular cutting blades, 13" steel circular cutting blades

Customer objective: The customer was looking to improve their cleaning performance, automate their cleaning process, reduce rework and reject rate, eliminate hazardous chemicals and waste and reduce VOC's.

Cleaner used: 5% by volume ArmaKleen™ 4 in 1 Cleaner

Machine used: 1. Spray Washer (TL3, FL250, FL500)

2. Agitating Immersion Washer (81.8)

Temperature used: 160°F

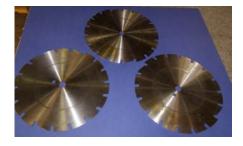
Time required: Spray Washer: 1 hour

Agitating Immersion Washer: 1 hour

Post Cleaning: 4 blades were fresh water rinsed and air pressure dried. 2 of the blades were left unrinsed and just air pressure dried, leaving the ArmaKleen[™] 4 in 1 Cleaner residue on the blades.

Recommendation to Customer: The ArmaKleen Technical Center recommended using 5% by volume ArmaKleen[™] 4 in 1 Cleaner at 160°F in either a Spray Washer or an Agitating Immersion Washer for a minimum of 1 hour.

Before Picture



After Picture Rinsed



After Picture Unrinsed



Source: TSR #12-A-244