

## ***ArmaKleen Technical Service Report Summary***

**Cleaning Trial Type:** Calcium and Paint Removal

**Industry:** Marine Maintenance

**Segment:** 5 Fleet – Rental & Leasing

**Soil:** Grime, grease, calcium build up, paint

**Substrate:** Steel

**Description of Part(s):** 5" diameter steel connector and a 10"x8" steel t-pipe with connector

**Customer objective:** The customer was looking to improve their cleaning performance and eliminate hazardous chemicals and waste.

**Cleaner used:** 100% by volume ArmaKleen™ Paint and Ink Remover  
20% by volume ArmaKleen™ Rust Remover

**Machine used:** Agitating Immersion Washer (81.8, T12, T24)

**Temperature used:** 160°F

**Time required:** 2 hours for paint removal  
4 hours for calcium removal

**Post Cleaning:** Fresh water rinse followed by air pressure drying. Light brushing with a stainless steel brush was used during the rinsing of the paint removal step.

**Recommendation to Customer:** The ArmaKleen Technical Center recommended using for paint removal 100% by volume ArmaKleen™ Paint and Ink Remover at 160°F in an Agitating Immersion Washer for a minimum of 2 hours. The ArmaKleen Technical Center recommended using for calcium removal 20% by volume ArmaKleen™ Rust Remover at 160°F in an Agitating Immersion Washer for a minimum of 4 hours.

### **Before Picture**



### **After Picture**



**Source:** TSR #13-AP-014