## **ArmaKleen Technical Service Report Summary**

Cleaning Trial Type: Aqueous

**Industry:** Manufacturing

Segment: 24 Exploration - Drilling

**Soil:** Oil and grease

**Substrate:** Steel

**Description of Part(s):** Steel valve gates and steel bushing ring

**Customer objective:** The customer was looking to improve their cleaning performance and reduce their cleaning costs.

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

Machine used:

1. Spray Washer (JRI TL3, JRI FL250, JRI FL500, Bettering Engineering G-2000)

2. Spray Under Immersion Washer (Graymills T12, Graymills T24, SK 81.8 w/SUI)

Temperature used: 160°F

**Time required:** 10 to 20 minutes

**Post Cleaning:** Fresh water rinse followed by air pressure drying.

**Recommendation to Customer:** The ArmaKleen Technical Center recommended using 5% by volume ArmaKleen<sup>™</sup> 4 in 1 Cleaner at 160°F in a Spray Washer for a minimum of 30 minutes.

## Before Picture After Picture





Source: TSR #13-A-144