

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

**Cleaning Trial Type:** Aqueous

**Industry:** Diesel engine remanufacturing

**Segment:** 04 Dealerships – Recreational & Machinery

**Soil:** Oil, grime and baked on carbon

**Substrate:** Steel

**Description of Part(s):** Steel engine injector parts

**Customer objective:** The customer was looking to improve their cleaning performance and automate their cleaning process.

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

**Machine used:** Ultrasonic Washer (SK6315 Blackstone model 3523)

**Temperature used:** 160°F

**Time required:** 1.5 to 2.5 hours

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

**Recommendation to Customer:** The ArmaKleen Technical Center recommended 5% by volume ArmaKleen™ 4 in 1 Cleaner at 160°F in an Ultrasonic Washer for a minimum of 1.5 to 2.5 hours.

**Before Picture**



**After Picture**



**Source:** TSR #12-A-226