



World Class Cleaning Solutions

# CASE STUDY

## OEM Supplier of Precision Bearings

### Customer Details:

**Product:** 815 QR

**Who:** OEM supplier of precision bearings and assemblies for the aerospace, defense, medical/dental, and high technology markets

**Parts Cleaned:** Various sized ball bearings

**Removing What:** Houghton Martemp2565, Houghton Quench K & Parks Vacuum Quench Oil

**Scenario:** "In Process" cleaning of parts as they travel through the manufacturing process

### Customer's Current Process:

**Current Chemistry:** 815 QR

**Concentration:** 10%

**Washer type:** 50 gal ultrasonic unit

**Specific Metals:** Various Steels

**Temperature:** 140°F (60°C)

**Time:** 9 minutes

**Rinse Water Temp:** 1st & 2nd rinse at 140 both w/RP

**Rinse Water Number and Time:** 2 for 5 min

**Dry:** Air Dry

**Tank Life:** measured in days

**Customer Improvement requested:** Cleaner parts.



### BHC Recommended Process:

**Chemistry:** 815 QR

**Concentration:** 10%

**Washer type:** 50 gal ultrasonic unit

**Specific Metals:** Various Steel

**Temperature:** 140°F (60°C)

**Time:** 1st wash 9 minutes – 2nd wash 5 minutes

**Rinse Water Temp:** 140°F (60°C)

**Rinse Water Number and Time:** 1 for 5 min

**Dry:** Air Dry

**Tank Life:** They continue to change on a weekly basis

**Results:** Cleaner parts w/less rejection from QC

**Reason BHC Won:** There was no need to have 2 rinses so had them change 1st rinse tank to a 2nd wash tank