



World Class Cleaning Solutions

CASE STUDY

Engine Rebuild Facility

Customer Details:

Product: 815 QR-DF

Parts Cleaned: Engine parts

Removing What: Removing heavy carbon

Scenario: "In Process" cleaning of engine parts as they rebuild the engines using the engine blocks and parts to put back in the large trucks, ships, etc. or to resell them

Customer's Current Process:

Current Chemistry: Zep Soy Response

Concentration: Roughly 10%

Washer type: 150 gal small silver ultrasonic tank

Specific Metals: Cast Iron, Steel, etc.

Temperature: 150°F (65.6°C)

Time: 3 or more hours

Rinse Water Temp: 150°F (65.6°C)

Rinse Water Number and Time: Part of cleaning process

Dry: Room temperature for 5 minutes

Tank Life: Measured in months-up to 6 months

Customer Improvement Requested: They wanted our product to work as good or better than the Zep product in removing heavy carbon soils and also be less caustic and harmful to the workers

BHC Recommended Process:

Chemistry: 815QR-DF

Concentration: 10%

Temperature: 150°F (65.6°C)

Time: 30 minute wash/rinse

Rinse Water Temp: 150°F (65.6°C)

Rinse Water Number and Time: Part of the cleaning process

Dry: Room temperature for 5 minutes

Tank Life: Now up to 6 months

Results: Engine parts are cleaner than when using the Zep Soy Response. The 815QR-DF cleaned the carbonized soils better in much less time. The workers were happy with our non-caustic chemical which did not harm the workers at all after touching the parts after the wash.

Reason BHC Won: The 815QR-DF removed the heavy carbon soils better and much faster than the Zep Soy Response, and it was also easier on the workers than the Zep product