



World Class Cleaning Solutions

CASE STUDY

Engine Overhaul Facility

Customer Details:

Product: AquaVantage® 224 CAT Rebuild
Parts Cleaned: Heavy equipment parts and engines
Removing What: Baked on Carbon and grease
Scenario: They overhaul and repair Caterpillar, Deere, and other construction equipment
Equipment Used: Spray Wash System Cuda 2530

Customer's Current Process:

Current Chemistry: Zep Recirculating Spray Wash Detergent
Concentration: 20%
Washer type: Cuda 2530
Specific Metals: Steel Engine parts
Temperature: 140°F (60°C)
Time: 30 min
Rinse Water Temp: 140°F (60°C)
Rinse Water Number and Time: 1 for 5 min
Dry: 140°F (60°C) for 5 minutes
Tank Life: Changed when it stopped cleaning
Customer Improvement Requested: Poor parts cleaning plus Cuda Machine is fairly new and signs of rusting inside of tank and hinges



BHC Recommended Process:

Chemistry: AquaVantage 224
Concentration: 5%
Temperature: 130°F-180°F (54.4°C - 82.2°C)
Time: 10 minutes
Rinse Water Temp: 130°F-180°F (54.4°C - 82.2°C)
Rinse Water Number and Time: 1 for 5 min
Dry: 140°F (60°C) for 5 minutes
Tank Life: With use of titration tank life is 2 months or change when needed
Results: Parts are cleaner at faster rate and rusting of machine has stopped
Reason BHC Won: Using a 5% concentration of 224 has cleaned parts better, faster and has stopped the rusting of equipment spray wash tank