



World Class Cleaning Solutions

CASE STUDY

OEM Supplier to Boeing

Customer Details:

Product: AquaVantage® 815 GD

Parts Cleaned: Manufacturing leading edge of helicopter rotor and helicopter air frame made of Aluminum 7075 and 7055

Removing What: MetDraw and Houghto-Draw oil

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

Equipment Used: 1700 Gal Immersion with eductors

Customer's Current Process:

Current Chemistry: AquaVantage 815 GD

Concentration: 20%

Washer Type: 1700 Gallon Immersion Tank with Eductors

Metals: Aluminum, 7055 and 7075

Temperature: 140°F (60°C)

Time: 30 min

Rinse Water Temp: 140°F (60°C)

Rinse Water Number and Time: 1 for 10 min

Dry: Air dry

Tank Life: One to two weeks

Customer Improvement requested: Better parts cleaning and longer tank life. Parts did not pass water break, parts had to be cleaned two to three times.



BHC Recommended Process:

Chemistry: AquaVantage 815 GD

Concentration: 12%

Temperature: 165°F (73.9°C)

Time: 5 minute wash

Rinse Water Temp: 140°F (60°C)

Rinse Water Number and Time: 1 for 5 min

Dry: Air Dry

Tank life: Approx. 4 weeks

Results: Parts are clean in 1/3 the time and pass water break. Tank life has been extended by three times

Reason BHC Won: We improved their process and saved them significant time and money by recommending changes to their equipment (repair/replace some eductors), tank concentration, wash temperature and cycle times