



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.



BRULIN 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 BRULIN 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.