



World Class Cleaning Solutions

CASE STUDY

OEM Supplier: Boeing, Cessna, Pratt & Whitney

Customer Details:

Product: AquaVantage® 1696 GD

Parts Cleaned: Manufacturing large cowlings and exterior panels for jet aircraft. Aluminum T3 and T6

Removing What: Removing WD-40 and light oil

Scenario: “In Process” cleaning of parts as they travel through the manufacturing process

Equipment Used: Walk-in 1800 Gal Spray Wash

Customer’s Current Process:

Current Chemistry: Super Bee 300 LF

Concentration: 10-15%

Washer Type: Large 1,800 gallon walk-in spray wash cabinet

Specific Metals: Aluminum T3, T6

Temperature: 150°F (65.6°C)

Time: 5 min

Rinse Water Temp: 150°F (65.6°C)

Rinse Water Number and Time: 1 for 3 min

Dry: Air Dry

Tank Life: Two to three weeks

Customer Improvement requested: Needed non-silicated spray wash detergent with Boeing Spec



BHC Recommended Process:

Chemistry: AquaVantage 1696 GD

Concentration: 5%

Temperature: 165°F (73.9°C)

Time: 5 minute wash

Rinse Water Temp: 150°F (65.6°C)

Rinse Water Number and Time: 1 for 3 min

Dry: Air Dry

Tank Life: 4 weeks

Results: Increased wash temp to make up for temperature loss through top of large spray washer. Parts are cleaner and the requirement for a non-silicated detergent was met.

Reason BHC Won: AquaVantage 1696 GD provided better cleaning results with improved tank life and BHC was able to meet the non-silicated detergent requirement for the process