



World Class Cleaning Solutions

CASE STUDY

Deburring Contamination Removal: Engine Components

Customer Details:

Product: Jet Engine Parts

Parts Cleaned: Pratt & Whitney Blades for turbine engines, Aluminum (4140)

Removing What Soil(s): Castrol MB50 Coolant

Why are parts degreased: To remove the deburring contamination, which requires a Pratt & Whitney approved degreasing chemistry

Customer's Process BHC Replaced:

Current Chemistry: New Process

Concentration: Unknown

Washer Type: Jenfab 360-2

Specific Metals: Aluminum 4140:

Temperature: Unknown

Time/Line Speed: 5 minutes Wash, 5 Minute Rinse

Customer Improvement Requested: New Process

Other: Parts get deburred with an OTEK Turbo HKS Deburring Machine, Drag Finishing Machine. They use a mild detergent in the final slurry stage.



BHC Implemented Process:

Chemistry: AquaVantage® 3887 GD

Concentration: 7%

Temperature: 140°F (60°C)

Time/Line Speed: 5 Min. Wash, 5 Minute Rinse

Dry: 10 Minute Ambient Blow Off

Results: AquaVantage® 3887 GD effectively removes all of the contamination from the part surfaces so they can be further processed in the next manufacturing step

Reason BHC Won: Part cleanliness, Pratt approved product, distributor relationship with the customer