



World Class Cleaning Solutions

# CASE STUDY

## Aerospace Manufacturers

### Customer Details:

Product: AquaVantage® 3887 GD

Immersion Cleaning: MRO, engine parts, @ 10%,

Previous Product: Ardrox 6333A

#### Results:

- Easier/Better Rinsing - throughout tank life
- Longer Tank Life – tank lasted 12+ months, vs. ~6 months previously – Consistent cleaning, Good rinsing, Few rejects throughout
- Eliminated frequent adjustments for pH
- Cleaned Magnesium Without Corrosion (previously Mg needed to be isolated)
- Less Odor

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Product: AquaVantage® 3887 GD

Spray Wash Cleaning of MRO Engine parts: Example exhaust casing on a Rolls-Royce Pegasus engine

Previous Product: Ardrox 6333A

#### Results:

- Faster Cleaning – Cleaned parts in 15 minutes that previously took 1.5 hours including hand scrubbing. Saved Time and Labor
- Removed Carbon – Deposits at 5% concentration and 180°F (82°C)
- Low Concentration Effective – @ 180°F cleaning was very effective at concentrations as low as 5%. In spray wash – reduces product costs
- Significantly Improved Filtration – Eliminated filter clogging and improved particulate removal

*They converted to AquaVantage 3887 GD and is quite satisfied*

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Product: AquaVantage® 3887 GD

Immersion Cleaning of Pratt & Whitney JT8D engine parts

Previous Products: CEE BEE A-7X7, Mirachem 500

#### Results:

- Longer Tank Life – 12 months vs. < 4 months
- Lighter dilution ~ 1/2 concentrate of previous product
- Reduced Rework = Better cleaning, throughput
- Less Corrosive – To tank elements
- Broad Material Compatibility – Cleaned virtually all engine materials including Magnesium
- Worker Friendly – Less defatting to the skin and Less Odor than previous products
- Easier/Better Rinsing

### AquaVantage® 3887 GD:

Cleans like a solvented, caustic cleaner

- Cleans Virtually All Soils – Light oil to burnt carbon
- Cleans Virtually All Aerospace Metals – aluminum, titanium, etc.
- Free Rinsing
- Effective in Spray Wash & Immersion – A one product solution

But...with a Light-Duty Personality: pH Stable – Keeps pH in the operational range longer

- Minimizes Adjustments – Prolongs tank life
- Simplifies Tank Maintenance – Saves labor
- Reduces Chemical Usage