



World Class Cleaning Solutions

CASE STUDY

Customer Details:

Spray Wash process to clean inconel and titanium rotating parts prior to FPI

Product: Jet Engines

Parts Cleaned: Rotating Jet Engine Parts

Removing What Soil(s): Mostly coolants, lubricants, Zyglo.

Why are parts degreased: Parts must be cleaned after every operation by a GE approved cleaner to a GE spec.

Customer's Process BHC Replaced:

Current Chemistry: AquaVantage 1990 GD

Concentration: Range from 2% to 5%

Washer Type: One Kemec, 5 BE, 3 Stoeltings

Specific Metals: Inconel, Titanium

Temperature: 140°F-150°F (60°C- 65°C)

Time/Line Speed: 10 min. Wash, 10 minute rinse

Customer Improvement Requested: Initially looking for better cleaning pre-FPI Cleaning in Kemac washer. Kemac washer was moved in plant closer to FPI Cell and after Zyglo adhesion was poor. Maint. checked washer and couldn't find a mechanical issue with washer. Customer tested 3887GD and zyglo adhesion improved dramatically.

BHC Implemented Process:

Chemistry: AquaVantage 3887 GD

Concentration: 2-5%

Temperature: 140°F (60°C)

Time/Line Speed: 10 Min. Wash, 10 Minute Rinse

Dry: 15 Minutes

Results: Excellent cleaning and no interference with FPI process

Reason BHC Won: Zyglo adhesion improved dramatically