



# World Class Cleaning Solutions

## Case Study Racing Engines

### CUSTOMER DETAILS

**Product:** AquaVantage® 3887 GD  
**Parts Cleaned:** High End Engine blocks (Block is Graphite Iron, Valves are Titanium)  
**Removing What:** Carbon, Grease, Transmission Fluids  
**Scenario:** Build and rebuild \$50K plus racing engines

### CUSTOMER'S PREVIOUS PROCESS

**Previous Chemistry:** Private Label Cleaner  
**Concentration:** 7-10%  
**Washer Type:** 180 Gallon Ultra Sonic Part Cleaner  
**Specific Metals:** Graphite Iron Engine Blocks , Titanium Valves, various Aluminum Parts  
**Temperature:** 180°F (82.2°C)  
**Time:** 10 min  
**Rinse Water Temp:** No rinse  
**Rinse Water Number and Time:** N/A  
**Dry:** N/A  
**Tank Life:** 30 days or less  
**Customer Improvement Requested:** Eliminate Discoloration on Aluminum Parts  
**Other:** Improve Bath Life

### BRULIN CURRENT PROCESS

**Chemistry:** AquaVantage® 3887 GD  
**Concentration:** 10%  
**Temperature:** 140°F (60°C)  
**Time:** 5 minute wash  
**Rinse Water Temp:** No rinse  
**Rinse Water Number and Time:** N/A  
**Dry:** N/A  
**Tank Life:** 30 to 60 days

### RESULTS

No Discoloration on Aluminum.

### REASON BRULIN WON

AquaVantage® 3887 GD provided better cleaning results, no discoloration, longer bath life X2.