

## Robert M. Henry

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### Objective:

Quality Assurance assignments that utilize my skills in Gas Turbine Engines, Generators, Compressors, Pumps, Piping, and other Rotating Equipment with emphasis on turbine design, operations, performance testing, troubleshooting, and maintenance.

### Work Experience:

#### Quality Assurance Inspector/Consultant

JAN 2010 - Present: [Oceanfront Engineering Inc.](#)

- Review of material certifications for items to be used on pumps for Nuclear Power Plants utilizing the specifications in the ASTM and ASME Sections II, III, V, IX from 1968-2010 with all addendas. Ensuring strict adherence to Nuclear Code in regards to all forms of Non-Destructive Inspections, Tensile, Yield, Reduction of Area, Hardness, Charpy Impact, Corrosion Testing, Heat Treatment Procedures, and Chemical Analysis. As well as the assembly of Data Books for Nuclear Pump Assemblies.
- Inspections, testing, expediting and third party surveillance activities as related to motors, gas turbines, control panels, electronic gear, valves, lube oil systems, steam generators, pumps, and flow meters. Witnessed performance testing, dimensional checks, thread checks, pressure checks, factory acceptance/functional testing, and paint thickness testing. Clients include Oceanfront Engineering, US Navy, US Marines, and fortune 500 companies.

#### Oceanfront Engineering Work Experience:

- Consultant for the Nuclear Division Quality Assurance Department for Flowserve Solutions Group in Vernon, California.
- Taurus 70 Gas Turbine Generator/Compressor/Mechanical Drive/Control System to include Factory Acceptance/Function Tests, Paint Thickness, Dimensional Checks, Compressor Run-out, and Final Package Inspection at Solar Turbines. Drilling Rig Equipment (TDS-8SA Top Drives, PH-100 Pipe Handling Tools, and HC-26EV Catheads) Factory Acceptance Tests, Paint Thickness, Dimensional Checks, and Final Inspection at National Oilwell Varco. Steam Generators Dimensional Checks, Welding Inspection, and Final Inspection at Clayton Industries. BN 3500 Monitoring Systems at General Electric-Bently Nevada to include Factory Acceptance, Dimensional Checks, Final Inspection, and Packaging Inspection. Odor Removal Units at Siemens Dimensional Checks, and Final Inspection. Piping and Valves Final Inspection at Bakersfield Pipe Supply. Deepwell Hot Oil Charge Pumps Paint Thickness, Dimensional Checks, Final Inspections, and Documentation Review at ITT Gould Pumps.

#### Power Plants Production Controller

FEB 2010 - DEC 2010: United States Marine Corps

- Examine documents, material, and products, and monitor work processes, in order to assess completeness, accuracy, and conformance to standards and specifications.
- Review documents such as production schedules, work order, and staffing tables to determine personnel and materials requirements, and material priorities.
- Confer with department supervisors and other personnel to assess progress and discuss needed changes.
- Revise production schedules when required due to design changes, labor or material shortages, backlogs, or other interruptions, collaborating with management, marketing, sales, production, and engineering.
- Confer with establishment personnel, vendors, and customers to coordinate production and shipping activities, and to resolve complaints or eliminate delays.
- Record production data, including volume produce, consumption of raw

material, and quality control measures.

- Requisition and maintain inventories of materials and supplies necessary to meet production demands.
- Calculate figures such as required amounts of labor and materials, manufacturing costs, and wages, using pricing schedules, adding machines, calculators, or computers.
- Distribute production schedules and work orders to departments.
- Compile information, such as production rates and progress, material inventories, materials used, and customer information, so that status reports can be completed.

### **Quality Assurance Representative for Jet Engine Maintenance**

JUN 2004 - FEB 2010: United States Marine Corps

- Primary function is the prevention of occurrence of defects in all aspects of aviation maintenance.
- Perform Squadron Quality Assurance audits to ensure adherence to all Operational Instructions and Local Command Procedures.
- Troubleshoot engine performance and fuel cell discrepancies on Aircraft and in Test Cell conditions.
- Supervise and inspect maintenance, repair and rebuild of aircraft power plants, functional components, and parts such as hydraulic units, fuel systems, lubrication systems, electrical systems, rigging, gaskets, and seals.
- Examine and inspect all aircraft power plants components, including auxiliary power units, removable fuel cells, hydraulic systems, fuel systems, and anti-ice units to locate cracks, breaks, leaks, delamination, or other defects.
- Supervise, inspect, and train personnel on the performance and troubleshooting of pneumatic pressure testing of removable fuel cells, and tactical bulk fuel delivery systems.

### **Jet Engine Mechanic**

JUN 2002 – JUN 2004: United States Marine Corps

- Inspect, maintain, and repair aircraft / gas turbine power plants
- Interpret shop sketches, drawings, schematics, and blueprints.
- Assemble, disassemble, and repair power plants and power plants systems.
- Perform maintenance on ground support equipment and power plant test cells.
- Know types and designations of fuels and lubricants and uses color-coded charts for lines and tubing.
- Perform corrosion control and prevention procedures.
- Conduct routine and special inspection as required by regulations.
- Measure parts of wear using precision instruments.

### **Education**

Aviation Machinist's Mate Course	Graduated June 2002
Corrosion Control Course	Completed June 2002
Turboprop Fundamentals Strand	Graduated June 2002
CH-46 Power Plant Intermediate Maintenance	Graduated Aug 2002
CH-46 Communication Navigation and Identification System	Graduated Aug 2002
Fundamentals of Leadership	Completed Apr 2003
Aircraft Maintenance Noncommissioned Officer	Completed Apr 2003
Theory and Construction of Turbine Engines	Completed Apr 2003
Principles of Instruction for the Marine NCO	Completed July 2004
Aviation Maintenance Workcenter Supervisor	Completed July 2004
Basic Shop Fundamentals for the Mechanic	Completed July 2004
Corporals Leadership	Graduated June 2005
Work Center Hazardous Waste Handler Training	Certified July 2005
Transportation of Hazardous Material	Certified July 2006
ORM Aviation Fundamentals Course	Completed Oct 2007
Lean Techniques	Completed Dec 2007

Introduction to S2007tatistics	Completed Dec 2007
Six Sigma: Reducing Variation to Improve Quality	Completed Dec 2007
Lean Six Sigma White Belt Course	Graduated Jan 2008
ASME 3.0 Quality Assurance	Completed July 2009
Power Plants Work Center Supervisor	Graduated July 2009
Aviation Material Control Management	Graduated Apr 2010
Power Plants Production Control	Graduated May 2010
IMA Production Control Procedures	Graduated May 2010
FAA Airframes and Power Plants Course	Completed June 2010
Level II Nuclear Certificate Review (Flowserve)	Completed Apr 2011
Level II Liquid Penetrant Inspections	In Progress

### **Awards**

- One Navy and Marine Corps Achievement Medal
- One Navy Meritorious Unit Commendation
- Two Certificates of Commendation
- Two Marine Corps Good Conduct Medal
- Honorably Discharged from the United States Marine Corps

### **Skills**

- Reading and interpreting maintenance manuals, service bulletins, and other specifications to determine the feasibility and method of repairing or replacing malfunctioning or damaged components.
- Conduct routine and special inspections as required by code / regulations.
- Inspect the replacement or repair of worn, defective, or damaged components, using hand tools, gauges, and testing equipment.
- Measure parts for wear, using precision calibrated instruments.
- Maintain repair logs, and documenting all preventative and corrective maintenance while utilizing in-process inspections.
- Utilize critical thinking and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- Use of relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards.