

Standard Aero - Production Engineer (SACS)

Winnipeg, MB

Location

Winnipeg, MB

Benefits

Pulled from the full job description

- Company pension
- Disability insurance
- Extended health care
- Paid vacation

Full job description

Explore a career where you're challenged and have access to exciting engineering projects that stretch your talents. Our expert team and supportive leaders give you the trust and independence to do your best work.

Design, test, and implement advanced technologies to improve aircraft performance, safety, and reliability, so we continue to deliver excellent aviation solutions. You'll collaborate with other departments to ensure that our products and services meet the highest industry standards.

The **Production Engineer** provides engineering support to the business unit for all aspects of component repair related to development of minor repairs and continuous improvement programs. Ensures compliance to relevant airworthiness and contractual requirements.

This particular role involves supporting component repair of CF34 and CFM56 aircraft engine components.

Specific Accountabilities

- Identifies and establishes improvement programs through root cause analysis (i.e., repair instructions, proper sequencing, inspection criteria, gauges, fixtures, machines,

etc.), analysis of turn times, work in process, non-conformance tags (NCTs), material review board (MRBs), process interruptions, other line stoppages, warranty failure modes, field reliability of repairs, investigation of repair-related field problems, line build problems, and subcontractors' repair performance. Works quality department to trend the improvements.

- Develops minor/major repairs (non-standard in conjunction with original equipment manufacturer (OEM), in-house process engineers, and outside services as required) under Design Approval Organization (DAO) sanction; refines existing repair schemes to eliminate the frequent need for in-process rejects and MRBs.
- Owns, generates, maintains, and updates Reworks Process Instruction (RPIs), temporary overhaul data revisions (TODRs), matrix codes, etc. related to repair; prepares production routings and detailed repair instructions based on approved data.
- Reviews all scrap not able to be dispositioned routinely with a view to applying book repairs, logging scrap rates and costs, and accumulating stock as future-repairable.
- In compliance with company instructions and the Design Approval Organization, executes MRB documentation and NCTs, TODRs and temporary parts list revisions (TPLRs).
- Acts as a conduit between different business unit and organizational functions (customer service, operations, quality, service engineering, process engineering, and technical airworthiness group) in resolving technical production problems.
- Originates, revises & interprets technical drawings.
- Supports acquisition of equipment as required to meet implementation objectives. Establishes and monitors equipment safety issues.
- Writes technical reports and proposals; develops work instructions.
- Responsible for observing all applicable safety requirements and reporting immediately any unsafe practices/conditions.

Technical Requirements

- At least 2 years related experience in an Engineering or Technologist capacity.
- Completion of Engineering Degree in Mechanical, Aerospace or Industrial; or Engineering Technology Diploma
- Registration with Engineers, Geoscientists Manitoba (EGM); or Certified Technicians & Technologists Association of Manitoba (CTTAM)
- Good project management skills.
- Working knowledge of gas turbine/accessory design theory, basic machine shop practices, and basic gas turbine metallurgy; familiarity with engine manuals.
- Working knowledge of precision measuring instruments; ability to interpret drawings (including tolerancing).
- Thorough knowledge of failure modes and effects analysis.
- Basic knowledge of production management computer systems.
- Thorough knowledge of company processes, company instructions, and quality requirements as they pertain to airworthiness and contractual requirements.
- Working knowledge of PC's in the current company operating system environment.

- Experience in an aerospace or manufacturing environment is preferred.
- Experience/familiarity and a genuine interest in the following specific remanufacturing processes would be an asset:
 - Electroplating (hard chrome, nickel, silver, etc), Electroless nickel plating
 - Thermal spray technologies
 - Welding technologies
 - Metal removal processes (grinding, single point machining, electrical discharge machining)
 - Heat Treatment processes
 - Bench Operations (cold working, sleeve and insert repairs)
 - Painting

Benefits that make life better:

- Comprehensive Healthcare
- Company Pension with 100% company match; up to 5% vested
- Paid vacation starting on day one
- Bonus opportunities
- Health- & Dependent Care Flexible Spending Accounts
- Short- & Long-Term Disability
- Life & AD&D Insurance
- Learning & Training opportunities

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