



## **PROJECT ENGINEER: MOBILE HEAVY EQUIPMENT POSITION DESCRIPTION**

**REPORTS TO:** Engineering Manager

**HOURS:**

- Monday to Friday 8:00 - 17:00
- 1 hour per day for lunch
- Overtime / Weekend hours as requested by Engineering Manager

**ABOUT US**

National Compressed Air Canada Ltd. (NCA Canada) is looking for a Compressor Service Technician, Diesel Portable Compressors, to go directly to customer sites to provide quality service and product knowledge while maintaining high standards that ensure repairs are completed in a timely and professional manner.

**COMPANY DESCRIPTION**

National Compressed Air Canada Ltd. is an industry leader in the development and manufacturing of custom-engineered and standard air and gas compression equipment. With over 60 years of experience, we design compressor packages and other related equipment for customers in sectors such as Oil and Gas, Mining, Drilling, and other Industrial applications. NCA Canada is located in Mississauga, ON.

**POSITION RESPONSIBILITIES:**

The Project Engineer is responsible for elements of design as well as organizing and executing project builds. The Project Engineer works closely with the Engineering Manager, Ordering and Production Departments to ensure all areas are aware of project design details and timelines. Therefore, excellent attention to detail is imperative to this position.

**REQUIREMENTS:**

- 5+years' experience building diesel or electric driven machinery.
- Bachelor of Engineering or equivalent.
- Experience with Industrial Engine Controllers or Control Panels and wiring, as well as Pneumatics and Hydraulics.
- Must demonstrate a quick pace, but accurate approach to work. Self-motivated to seek answers from others and have the ability to learn concepts on their own in a timely manner.
- Project Management Experience
- Proficient with SolidWorks for 3D modelling and 2D drafting with AutoCAD.
- Professional Proficiency in speaking and written Mandarin Chinese Language.
- Experience working on agricultural equipment a major asset.
- Experience with heavy machinery and/or compressors an asset.



## RESPONSIBILITIES:

- Manages Projects as a lead from design, procurement, shop assembly, testing and documentation.
- Organizes work for the shop floor by ensuring parts, drawings and photos are organized in advance of shop work, and are communicated to the shop supervisor on a daily basis.
- Prepare technical specification for compressor accessories like Valves, Couplings, Moisture Separator, etc. and source companies to purchase from.
- Is the key technical lead for each project, and must be an effective communicator to support staff to monitor and explain requirements during shop build.
- Develop / Prepare final Bill of Materials for all projects.
- Procurement activities for fabricated items (not standard items): gets pricing from vendors, pricing approval by Engineering Manager, Purchase Requests submitted to Purchasing Department.
- Performs and reviews engineering calculations for sizing and selection of compressor accessories.
- Design, develop and prepare engineering drawings in SolidWorks (3D) and AutoCAD (2D) for project layout, frame / skid, components and related accessories and then see them through fabrication and installation.
- Accurately edit / revise existing schematics as necessary (Component, P & ID, and Electrical).
- Assist with piping design calculations and prepare ISO Piping drawings.
- Oversees creation of the projects Operation Manual, prepare as-built drawings and part lists to be included.
- Check technical data of major component like engines, cooler coupling and receiver.
- Prepare layout of Compressor Package for customer quotations (used if customer wants to see package dimensions).
- Perform work given by superior as required.
- Be a leading presence for assembly staff on the shop floor.

*Applicants may send resume with cover letter via email to [hr@nationalcompressedair.com](mailto:hr@nationalcompressedair.com)  
Please state the position you are applying for. No phone calls please. Must be legal to work in Canada.*

*We wish to thank all applicants for applying however only selected candidates will be contacted for an interview.*