

## **Hudson Bay Railway Job Description**

**TITLE:** Locomotive Machinist

**LOCATION:** The Pas, MB

**REPORTS TO:** General Foreman

**SALARY RANGE:** Commensurate with qualifications and experience.

### **General Summary:**

Responsible for the efficient inspection, troubleshooting, preventive maintenance and installation of locomotive mechanical systems and equipment such as diesel engine, wheels / truck repair, air brake and other mechanical components to ensure conformance with FRA, company, and customer specifications. This is accomplished by performing the following duties or ability to be trained to perform.

### **Essential Job Duties and Responsibilities include the following. Other duties may be assigned, as requested or required.**

1. Under the direction of the immediate supervisor, perform required inspections, troubleshooting and preventive maintenance to ensure that locomotive mechanical systems conform to specifications and operate properly within design limits and intent.
2. Complete inspection and repair reports according to company and FRA specifications and guidelines.
3. Following general safety rules, performs diagnostics, installation and repair of locomotive components to ensure proper operation and compliance with required federal and company specifications.
4. Able to, or able to learn to read with accuracy diesel engine manuals, service bulletins, maintenance instructions and other craft related documentation.
5. Tests, installs and repairs system components including but not limited to: pumps, radiators, power assemblies, compressors, air brake repair / change to ensure all function and equipment conform to required specifications.
6. Regularly examines and verifies flow / pressure measurements, installation and alignment of rotating equipment and adjusts or replaces defective parts as needed.
7. Verify conformance to specifications. Evaluate cooling, lubrication oil, fuel systems for service using a variety of test equipment and procedures i.e.: gages, dial indicators, manometers, specialized tooling and live system measurements.
8. Able to read and understand FRA and company rules, specifications and guidelines. Able to legibly document items of non-compliance.
9. Analyzes and able to correct faults related to inspection, troubleshooting, preventive maintenance and installation of locomotive equipment..
10. Assists in all other repairs and maintenance as required by immediate supervisor.

### **Education/Experience:**

High school education or general education development (GED); preferred 3 to 6 months job-related work experience; or equivalent combination of education and experience. Perceived aptitude in the mechanical field / diesel engines and demonstrating a desire to learn required.

### **Certificates and Licenses:**

Valid State Driver's License

**Knowledge, Skills, and Abilities: must demonstrate ability or desire to learn:**

1. Skills in locomotive or general mechanical repair / maintenance helpful.
2. Reading and interpreting manuals, service publications and flow diagrams.
3. Using various testing equipment such as micrometer, dial indicator, gages helpful.
4. Recognizing the appropriate application and use of hand tools.
5. Recognizing various power tools, including drills, grinders, and air impact wrenches and their intended use.
6. Ability to use cutting torches and / or welding helpful.
7. Demonstrate an attention to detail and coordinate various activities simultaneously.
8. Ability to operate various industrial equipment including forklifts helpful.
9. Comply with instructions furnished in written, oral and schedule form.
10. Read and comprehend published rules, procedure and manuals, inspection checklists, government regulations, operating and maintenance instructions, memos and other work-related information.
11. Effectively communicate with co-workers, supervisors and associates in a clear, concise, courteous and professional manner.
12. Ability to write legibly.

**Physical Demands:**

The physical demands described here are representative of those that must be met by an employee to successfully perform essential functions of the job. Must have the ability to:

- Clarity of vision at 20 inches or less, 100% of time.
- Read diagrams, reports, levels on test equipment, and maintenance checklists; and to perform duties associated with the listed duties and responsibilities 100% of time.
- Work in tight, confined spaces 100% of time. Manually push, pull and/or lift up to 75 pounds 5% of time.
- Speak and hear well enough to communicate with co-workers, supervisors, and others within the company 100% of time.
- Walk 100% of time. Bend, twist, and crawl in open or confined spaces 100% of time. Reach with hands and arms 100% of time.
- Climb and balance to mount locomotive by climbing steps 100% of time. Ascend to a vertical surface up to sixteen (16) feet 50% of time.

**Physical Dimensions:**

The employee is required to exert up to 150 pounds of force occasionally; and/or up to 75 pounds of force frequently; and or up to 50 pounds of force regularly.

**Work Environment:**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job.

While performing the essential duties of this job, the employee may be regularly exposed to noise, petroleum based products and odors, moving mechanical parts; weather elements and conditions; and high pressure compressed air. The employee may be frequently exposed to heat from equipment; small enclosed spaces. The employee is occasionally exposed to live systems while performing tests.

**Contact Information:**

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