



Electrician/General Mechanic
Job Description

GENERAL SUMMARY:

Performs the duties of a locomotive electrician/mechanic involved in inspecting, installing, maintaining, repairing critical electrical systems on a historic locomotive and locomotive equipment to meet and exceed Federal Railroad Administration (FRA) regulations and Cuyahoga Valley Scenic Railroad expectations for positive, safe and reliable customer experience while maintaining a clean and respectable fleet appearance.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Responsible for troubleshooting, analysis, fault detection and repair of locomotive electrical and train control systems, sub-systems, and components of up to 480VAC and 600VDC.
- Perform modifications from drawings, prints or electrical systems on locomotives as assigned.
- Perform fault detection and diagnostics using microprocessor and diagnostic equipment.
- Install and maintain electrical wiring and equipment such as Programmable Logic Controllers (PLC), electrical equipment.
- Installs and maintains electrical wiring and equipment, such as motors, generators, air-conditioning units, electrical outlets, and lighting fixtures of railroad locomotives.
- Measures, cuts, threads, bends, assembles, and installs conduits that connect to control panels and junction boxes, using hacksaw, pipe benders, pipe-threading tools, and other hand tools.
- Splices wires and solders connections to fixtures, outlets, and equipment.
- Ensure compliance with all railroad rules and regulations for safety, operations, and the Federal Railroad Administration (FRA). Comply with the guidelines set forth by the FRA on Personal Blue Signal Protection of Workers.
- Inspect equipment components for compliance with FRA, Association of American Railroads (AAR), APTA (American Public Transportation Association) and CVSR standards.
- Perform emergency repairs to equipment.
- Performs periodic and annual inspections and understands FRA regulations pertaining to inspections.
- Operate light and heavy cranes, forklifts, car moving equipment, and other various vehicles
- Operate electrical and gas welding equipment to join a variety of metals and alloys; operate acetylene torches for cutting and/or shaping metal parts such as aluminum, cast iron, steel.

CUYAHOGA VALLEY SCENIC RAILROAD

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- Maintain written and computer records for maintenance and repairs as required.
- Ensure the safe, reliable, and enjoyable working conditions of the CVSR volunteer staff.
- Additional duties as assigned.

REQUIREMENTS:

- 18 years of age or older.
- High School diploma or GED.
- Certified/Licensed Electricians / Commercial / Industrial Marine/Aircraft / Locomotive.
- 2-5 years' experience as an electrician in an industrial environment.
- Locomotive electrical experience (preferred).
- Able to read, write and communicate (speak, hear, and understand) English.
- Able to work outdoors in extreme all-weather conditions (hot, cold, rain, snow, and sleet).
- Work a 40-hour work week, with overtime and flexible hours as needed.
- Able to lift and carry up to 75 pounds with or without assistance.
- Possess a valid state-issued driver's license, CDL preferred.
- Able to use hands to perform activities involving holding, grasping, turning, and pulling.
- Able to perform work on uneven surfaces, frequently climb ladders and on/off equipment, and work from various heights including making repairs on top of locomotives and railcars.
- Able to work in conditions that include loud noise and fumes, work on and around heavy and moving machinery, bend, walk, stand, and sit for extended periods of time and use hand tools.
- Follow safety policies and procedures and wear the required personal protective equipment required for the job in a safe manner.

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