

Diesel Mechanic - Electrician

NYSW Railway – Binghamton, NY

Job Summary

Inspect, service, repair and maintain diesel locomotives with focus on electrical components.

Primary Activities and Responsibilities

Maintain, repair, rebuild, inspect and install all electrical wiring and equipment on diesel electric locomotives.

- Ensure compliance with all railroad rules and regulations for safety, operations and the Federal Railroad Administration (FRA)
- Measure, cut, thread, bend, and assemble connections to control panels and junction boxes
- Test circuit connections. Diagnose, repair, and replace electrical malfunctions in components including loading charging, transition problems, wheel slip, sander circuits and high and low voltage grounds
- Perform work activities utilizing voltages up to 1200 and amperages up to 1500
- Examine parts for wear and/or defects such as brushes contact tips, slip rings, armatures, diodes, bearings and fuses
- Interpret test instrument indicators
- Repair speed recorders, air compressors, turbo and fuel pumps and temperature switches. Change light bulbs on locomotives
- Interpret information from computer monitors or printouts
- Assist in servicing, inspection, testing, repair and maintenance of other locomotive components

Pay Rate

Pay rate information is subject to change based on Collective Bargaining Agreement and, if applicable, may vary by location.

Minimum Qualifications

- High School diploma/GED
- Valid Driver's License
- Experience with high voltage electrical systems
- Ability to read electrical schematics and prints

Preferred Qualifications

- Previous experience with locomotive electrical and PTC systems

Basic Competencies

- Verbal comprehension (Understand oral and written communications--both general and technical)
- Communication skills (provide clear instructions/directions)
- Reasoning skills (problem solving and troubleshooting skills)
- Mechanical aptitude

Physical Requirements

- Heavy work, lifting up to 75 pounds
- Stoop/bend/kneel/crouch/balance/climb on an occasional basis
- Exposure to equipment that intensifies the heat factor on an occasional basis

Employment Conditions

- Work safely to prevent on the job accidents and injuries
- Wear protective equipment such as hearing protection, safety Shoes, safety glasses, PPE and hard hat.
- Work hours may include a nonstandard workweek, overtime and various shift work
- Requires random testing for drugs and alcohol
- Must pass all required assessments

Environmental Conditions

Work outside in all weather conditions in confined spaces, and on occasion at elevated heights.

Safety Commitment

This is a safety sensitive position. The candidate selected for this position must successfully complete a full physical including a drug test. Passing results must be received prior to start date in new position. All candidates' safety records will be reviewed and considered when evaluating the candidate pool.