

Department: Highway  
Classification: Competitive  
Grade: 9

SPEC G106

## **CONSTRUCTION EQUIPMENT MECHANIC TRAINEE**

**DISTINGUISHING FEATURES OF THE CLASS:** The work involves responsibility for the efficient repair and maintenance for a variety of highway construction and automotive equipment. A mechanic trainee in this class must be able to perform intermediate level electrical, electronic, hydraulic and mechanical repairs including but not limited to engines, clutches, torque converters, drive lines, chassis, brakes, steering assemblies and accessories on self-propelled and non self-propelled vehicles and equipment. General instructions are received regarding the tasks to be performed permitting leeway for planning the details of each assignment. The trainee position is for the incumbent to learn the essential duties and responsibilities of a Construction Equipment Mechanic. The incumbent does related work as required.

### **TYPICAL WORK ACTIVITIES:** (Illustrative only)

Assists in the repairs bulldozers, tractors, cranes, rollers, graders, and snow plowing equipment;  
Assists with the straightening, welds frames and fenders;  
Assists with performing skilled operations in making general repairs on gasoline and diesel construction equipment both in the garage and in the field;  
Assists with operating acetylene cutting and welding equipment;  
Assists in the use of a variety of machine tools such as lathes and drill presses;  
Assists with mounts and dismounts snowplow blades and auxiliary equipment;  
Assists with inspecting machinery and equipment for needed repairs, overhauling, adjustment or replacement of parts;  
Assist with performing motor vehicle inspections.

### **FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Thorough knowledge of standard automotive repair methods and of the terminology, tools and safety precautions of the trade; demonstrated ability to make difficult repairs to automotive equipment; ability to operate acetylene cutting and welding equipment; ability to work from plans and specifications; ability to understand written and oral instructions; good motor, hand and eye coordination; manual dexterity; physical condition commensurate with the demands of the position.

### **MINIMUM QUALIFICATIONS:**

- (a) Two years of experience as a mechanic maintaining heavy duty construction or diesel equipment;
- (b) Three years of experience as an automotive mechanic maintaining automotive equipment; or
- (c) An equivalent combination of training and experience as defined by the limits of (a) and (b).

### **PROMOTION QUALIFICATIONS:**

Three years of experience as an Automotive Mechanic or Heavy Equipment Operator with the Essex County Department of Public Works.

*NOTE: Completion of an acceptable diesel mechanic or automotive repair course may be substituted for the required automotive repair experience on a year-for-year basis up to a maximum of two years.*

### **SPECIAL REQUIREMENTS FOR ACCEPTANCE OF APPLICATION:**

Candidates must be eligible for appropriate New York State driver's license.

Revised: 04/05/2023  
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