

DIESEL MECHANIC

Department: Public Works
Classification: Competitive
Specification Number: 3870
Approved: 7/15/24
Revised: By JG

MINIMUM QUALIFICATIONS

Either:

- a) ASE (Automotive Service Excellence) Medium/Heavy Truck Diesel Engine Certification from the National Institute for Automotive Service Excellence; or,**
- b) Graduation from a diesel technical college with federally-authorized accreditation or registration by NY State/two-year BOCES diesel engine repair program/other equivalent, and two (2) years of work experience in the repair and rebuilding of mechanical systems and components of diesel-fueled engines; or,**
- c) Graduation from a standard senior high school or possession of a high school equivalency diploma, and four (4) years of work experience in the repair and rebuilding of mechanical systems and components of diesel-fueled engines.**

NECESSARY SPECIAL REQUIREMENT

Possession of the valid driver's license issued by the New York State Department of Motor Vehicles. This license must be maintained throughout employment in this title.

DISTINGUISHING FEATURES OF THE CLASS

Under supervision, an employee in this title diagnoses malfunctions of diesel-fueled vehicles and auxiliary equipment, and repairs or replaces parts as necessary. The incumbent uses independent judgment in carrying out assignments and is responsible for testing results after completion. The incumbent may supervise lower-level automotive mechanics. Does related work as required.

TYPICAL WORK ACTIVITIES

- Determines parts requirements, and obtains them from parts storage area and writes orders;**
- Examines diesel-fueled vehicles and equipment, and diagnoses the repair requirements;**
- Attends in-service training sessions provided by manufacturers of equipment in use;**
- Diagnoses mechanical and electrical problems;**
- Disassembles and rebuilds diesel-fueled engines and transmissions;**
- Regrinds valves, rewires generators and adjusts diesel-fueled engine timing;**
- Repairs hydraulic systems, repairs power brakes and power steering;**
- Troubleshoots and repairs diesel fuel injection service and computerized monitoring devices;**
- Repairs auxiliary equipment used with diesel-fueled vehicles;**
- Tests diesel-fueled vehicles and equipment to check work results after completion.**

KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS

Thorough knowledge of the methods, materials, tools and standard practices of diesel engines; thorough knowledge of the operating and repair of diesel-fueled equipment utilized; good knowledge of the occupational hazards and safety precautions of the trade; skill in the use and care of tools, machines and testing; ability to adapt available tools and repair parts to specific problems; ability to diagnose malfunctioning of diesel-fueled equipment; ability to execute written instructions and to follow diagrams and sketches; physical condition commensurate with the demands of the position.