

Job Specification

MECHANIC DIESEL

DEFINITION:

Under direction, performs varied tasks involved in the maintenance and repair of diesel engines in motor vehicles and/or automotive construction equipment; does other related duties as required.

NOTE: The examples of work for this title are for illustrative purposes only. A particular position using this title may not perform all duties listed in this job specification. Conversely, all duties performed on the job may not be listed.

EXAMPLES OF WORK

Repairs and maintains diesel engines using hand tools, precision measuring instruments, and machines common to the trade.

Diagnoses trouble, disassembles engines, and examines parts for defects and excessive wear.

Reconditions and replaces parts such as pistons, bearings, gears, valves, and bushings, and using engine lathes, boring machines, hand tools, and precision measuring instruments.

May weld and cut parts using arc welding and flame cutting equipment.

May repair and maintain gasoline engines.

May perform a variety of mechanical tasks involved in the repair and maintenance of motor vehicles and/or construction equipment.

May test drive motor vehicles and/or construction equipment on public streets.

Will be required to learn to utilize various types of electronic and/or manual recording and information systems used by the agency, office, or related units.

REQUIREMENTS

TRAINING

Successful completion of one (1) year of training in diesel engine repair at an accredited community college or vocational school.

EXPERIENCE

Two (2) years of experience in the installation, maintenance, and repair of diesel engines.

NOTE: Applicants who do not possess the required year of formal training may substitute one (1) additional year of experience as outlined above.

NOTE: Possession of a certificate as a diesel mechanic issued by the National Institute for Automotive Service

Excellence may be substituted for one (1) year of formal training.

LICENSE:

Appointees will be required to possess a valid New Jersey driver's license.

NOTE: Appointees may be required to possess a valid Commercial Driver's License (CDL) and applicable endorsements for the class and type of vehicle being operated.

NOTE: The responsibility for ensuring that employees possess the required motor vehicle license, commensurate with the class and type of vehicles they operate, rests with the Appointing Authority.

In accordance with Federal regulation 82:40, appointees responsible for the repair or servicing of motor vehicle air conditioners are required to possess and maintain a valid certification as an Air Conditioning and Refrigeration Technician, commensurate with the type of equipment serviced, issued by the Federal Environmental Protection Agency.

In accordance with N.J.A.C. 13:20-46.8, appointees responsible for performing the emissions inspections on diesel-powered vehicles will be required to successfully complete a course of Instruction on Diesel Emission Inspection provided through the Appointing Authority. Appointees may be required to successfully complete re-training.

In accordance with the New Jersey Occupational Safety and Health Administration regulation 29 CFR 1910.178(l) (1), appointees responsible for the operation of industrial trucks (powered forklifts) will be required to obtain and maintain a current certification as a Powered Industrial Truck Operator issued by the New Jersey Occupational Safety and Health Administration. Appointees may be required to successfully complete re-training.

In accordance with N.J.A.C. 13:20-45.16, appointees responsible for performing emissions repairs to gasoline-fueled vehicles will be required to successfully complete the Emissions Technical Educational Program, and maintain a current certification as an Emissions Repairer Technician.

In accordance with N.J.A.C. 13:20-43.17, appointees responsible for performing inspections to motor vehicles will be required to successfully complete the training and maintain a current certification as a Motor Vehicle Inspector.

Appointees responsible for repairing or servicing motor vehicles equipped for alternate fuel will be required to successfully complete training and obtain an Alternate Fuel Certification. Appointees who possess an ASE Certification in Alternate Fuel are considered to have met this requirement.

Appointees responsible for repair and servicing of suspension/steering systems are required to possess and maintain an Automobile Service Excellence (ASE) Certification in Suspension and Steering.

Appointees responsible for repair and servicing of brakes are required to possess and maintain a valid Automotive Service Excellence (ASE) Certification in Brake Repairs.

Appointees may also be required to obtain ASE certifications in Engine Repair A-1 and Engineer Performance A-8.

KNOWLEDGE AND ABILITIES

Knowledge of diesel motors and equipment and their operation.

Knowledge of causes for motor failure, and the steps necessary to correct the condition.

Ability to obtain, store, record, safeguard, and properly use equipment, materials, and supplies.

Ability to keep records.

Ability to analyze mechanical problems, organize assigned work, and develop effective work methods.

Ability to do mechanical work.

Ability to learn to utilize various types of electronic and/or manual recording and information systems used by the agency, office, or related units.

Ability to read, write, speak, understand, or communicate in English sufficiently to perform the duties of this position. American Sign Language or Braille may also be considered as acceptable forms of communication.

Persons with mental or physical disabilities are eligible as long as they can perform the essential functions of the job with or without reasonable accommodation. If the accommodation cannot be made because it would cause the employer undue hardship, such persons may not be eligible.