

Jurisdiction: City of Ithaca
Jurisdictional Class: Non-Competitive
Adopted: 04/06/05
Revised: 09/15/10, 04/03/19, 09/07/22

MOTOR EQUIPMENT MECHANIC

DISTINGUISHING FEATURES OF THE CLASS: The work involves responsibility for the skilled maintenance and repair of a wide variety of motor and other public works equipment. The incumbent performs both skilled mechanical and bodywork maintenance and repair tasks. The incumbent also inspects motor equipment to ensure compliance with the New York State Motor Vehicle Inspection Code. This position differs from that of a Motor Equipment Mechanic Helper by virtue of the fact that a Motor Equipment Mechanic performs skilled maintenance and repair work a majority of the time as well as directs activities of Helpers. The work is performed under the direct supervision of a Motor Equipment Maintenance Supervisor with some leeway allowed for the exercise of independent judgment in carrying out the details of the work. Does related work as required.

TYPICAL WORK ACTIVITIES:

Performs skilled operations in the diagnosis, repair, and maintenance of gasoline and/or diesel powered motor equipment including trucks, lawn mowers, snow plowing equipment and buses;
Performs mechanical work including repair and replacement of engines and engine components, repairs to ignition systems, transmissions, hydraulic and brake systems, power trains, bearings and axles and suspension systems;
Performs body work including sandblasting rusted surfaces, cutting and welding vehicle bodies, straightening vehicle chassis and bodies, and prepaing and painting vehicle surfaces;
Fabricates, repairs, attaches and removes snow plow blades and other auxiliary equipment;
Inspects equipment for safety and effective operation including inspecting motor vehicles for compliance with the New York State Motor Vehicle Inspection Code;
Inspects, repairs and adjusts other equipment and machinery including jackhammers, generators and compressors;
Contacts paint and body shops, tow companies, tool supply companies and new and used auto parts stores to obtain materials and information relative to the work performed;
Operates a variety of hand and power tools including wrenches, socket sets, screwdrivers, meters, torches, welders, diagnostic computers, measuring devises, grinders, paint guns and tire balancer;
Performs manual labor including lifting equipment and parts, climbing ladders, and sweeping floors;
Creates and maintains basic records and reports relative to the work;
May direct a Motor Equipment Mechanic Helper in motor and equipment maintenance and repair.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES, PERSONAL CHARACTERISTICS:

Good knowledge of standard gasoline and diesel motor equipment repair methods and of the terminology, tools and safety precautions of the trade; good knowledge of inspection requirements relative to the New York State Vehicle Inspection Code; skill in performing gasoline and diesel motor equipment maintenance and repair tasks; skill in the safe and efficient operation of motor equipment; ability to correctly diagnose and resolve mechanical, electrical, hydraulic and other equipment problems; ability to understand and follow oral and written instructions; ability to successfully work with and serve a diverse local community; physical condition commensurate with the demands of the position.

Motor Equipment Mechanic

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MINIMUM QUALIFICATIONS: Either:

- (a) Possession of an Associate's degree or certificate in gasoline and diesel motor equipment repair technology or a closely related field; or
- (b) Graduation from a high school technical or other vocational program in motor equipment repair and one (1) year of experience in gasoline and diesel motor equipment repair under the supervision or direction of a skilled motor equipment mechanic; or
- (c) Graduation from high school or possession of a high school equivalency diploma and two (2) years of experience described in (b);
- (d) An equivalent combination of training and experience as defined by the limits of (a), (b) and (c).

Note: College degrees must have been awarded by a college or university accredited by a regional, national, or specialized agency recognized as an accrediting agency by the U.S. Department of Education and/or U.S. Secretary of Education. If an applicant's degree was awarded by an educational institution outside the United States and its territories, the applicant must provide independent verification of equivalency. A list of acceptable companies who provide this service can be found at <https://www.cs.ny.gov/jobseeker/degrees.cfm>. Applicants are responsible for payment of the required evaluation fee.

SPECIAL REQUIREMENTS:

1. Possession of a valid New York State Class D driver license or a valid driver license equivalent to a New York State Class D driver license at the time of appointment and maintenance of said license for the duration of employment.
2. Applicants must obtain an appropriate level New York State Motor Vehicle Inspector's License within six months of appointment and must maintain said license for the duration of employment.