

## **SENIOR AUTOMOTIVE MECHANIC**

Code No. 5-19-060  
NON-COMPETITIVE

**DISTINGUISHING FEATURES OF THE CLASS:** This is a highly skilled mechanic position involving responsibility for completing the more complex, detailed, and involved repairs to automotive equipment such as passenger vehicles, trucks (including school buses, vans, pickups, environmental services equipment), grounds maintenance equipment (including tractors, lawn mowers, snow removal equipment) and tools and equipment. The employee is required to perform the full range of mechanics' duties, but is distinguished from the lower-level position, Automotive Mechanic, by responsibility for major overhauls and repairs involving complete disassembly and assembly of diesel engines, hydraulic systems, and vacuum and air brakes; and complete re-wiring of major equipment. Employees of this class may work under unpleasant working conditions including extremes of heat and cold, noxious fumes and odors, wet, damp, and cramped working areas. Work is performed independently or with a repair team under limited supervision. The employee reports directly to, and works under the general supervision of, a Head Automotive Mechanic, Auto Mechanic Foreman, or other higher-level staff member for non-routine, difficult or costly repairs. A Senior Automotive Mechanic may be required to be a lead mechanic over lower-level mechanics. Does related work as required.

**TYPICAL WORK ACTIVITIES:** (All need not be performed in a given position. Other related activities may be performed although not listed.)

Completes major and minor repairs to diesel and gasoline powered vehicles including the full range from heavy equipment to passenger vehicles;

Performs standard and major heavy equipment repairs to gasoline and diesel engines and hydraulic systems;

Repairs and rebuilds (disassembles and assembles) all automotive systems such as cooling, electrical, exhaust, steering and suspension, fuel system, brake, and drive train;

Rewires electrical systems;

Repairs electric motors, tools, and equipment;

Repairs vacuum and air brakes;

Repairs and installs fuel pump and fuel injectors;

Operates machine shop equipment such as lathes, grinder, drill presses and other working machines to make, rebuild, or repair parts for automotive equipment;

Repairs mechanical parts on sweepers, loaders, salt spreaders, backhoes, and other public works equipment;

Grinds valves and fits new bearings, pistons, and rings;

Diagnoses chronic automotive problems and devises permanent rather than standard, temporary repairs;

Diagnoses heavy equipment and automotive problems caused by maladjustment, worn, damaged, or defective parts, or improper lubrication;

Determines correct parts needed in the repair of specific equipment;

Checks for automotive problems using visual observation, tactile contact, road tests, and shop testing equipment;

Performs preventative maintenance functions such as lubrication, filter changes, major and minor tune-ups, tire checks, fluid checks, safety inspections;

Instructs lower-level mechanics in the proper method of repairing and adjusting engines, bodies, and chassis on all forms of automotive equipment;

Leads and works with lower-level or more specialized mechanics on difficult, complex, and physically demanding jobs;

Performs New York State authorized inspections of road vehicles;

Road tests equipment and motor vehicles;

Performs minor collision repair work and straighten and weld frames and fenders;

Operates snow removal and road construction equipment in times of emergencies or slack work, or performs other related duties as required.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES, AND PERSONAL CHARACTERISTICS:** Thorough knowledge of hydraulics and diesel and gasoline engines; thorough knowledge of the principles of heavy equipment mechanics including systems and parts operations, systems and parts interrelationships, systems and parts functions; thorough knowledge of the methods and practices involved in repairs to heavy equipment; good knowledge of shop equipment, tools, parts and their potential use; good knowledge of State Department of Transportation rules and regulations governing the repair and maintenance of buses; good knowledge of machine shop equipment and its use; working knowledge of the mechanical operation and terminology of heavy equipment; skill in the repair of major heavy equipment; skill in the use of shop tools and equipment; skill in completing major overhauls and repairs to hydraulics; ability to read automotive manuals, schematics, and work orders; ability to follow oral and written instructions; ability to repair entire systems, including major overhauls, complete disassembly and re-assembly; ability to select and properly use shop tools and equipment in a safe and efficient manner; ability to diagnose problems of all systems, especially diesel engine, vacuum and air brakes, and hydraulics; ability to inspect a road vehicle in accordance with mandated safety standards; ability to operate and road test motor vehicles and equipment; ability to get along well with others and provide lead supervision when required; dependability; manual dexterity; strength; mechanical aptitude; attention to safety needs; willingness to work in cramped, cold quarters with noxious fumes; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:** Graduation from high school or possession of a high school equivalency diploma, plus EITHER:

- (A) Graduation with an Associate's degree or possession of a certificate, either of which must be in an automotive field, plus six (6) months of paid full-time or its part-time equivalent experience as an automotive mechanic; OR,
- (B) One (1) year paid full-time or its part-time equivalent experience as an automotive mechanic; OR,
- (C) An equivalent combination of education and experience as defined by the limits of (A) and (B) above.

**NOTE:** Your degree 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/U.S. Secretary of Education. If your degree was awarded by an educational institution outside the United States and its territories, you must provide independent verification of equivalency. A list of acceptable companies who provide this service can be found on the Internet at <http://www.cs.ny.gov/jobseeker/degrees.cfm>. You must pay the required evaluation fee.

**SPECIAL REQUIREMENT:** Must possess a valid New York State driver's license for the class of vehicle being operated.

Monroe County Civil Service Commission

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