



## **SENIOR AUTOMOTIVE MECHANIC**

Jurisdiction Class: Non-Competitive  
Civil Division: County  
Adoption YCCSC: 04/03/1997  
Revised by PO: 10/23/2017

### **DISTINGUISHING FEATURES OF THE CLASS:**

The work involves responsibility for leading and participating in the maintenance and repair of automotive and heavy equipment. The employee in this class acts as lead mechanic in the repair and maintenance of municipally owned equipment and also oversees the work of other mechanics involve with similar duties, or as an advanced-level worker performing the most complex assignments. The employee provides technical assistance in diagnosis and repair of vehicles and equipment, working closely with lower-level mechanics. The work is performed under general supervision with considerable leeway permitted for exercise of independent judgment in carrying out work assignments. Does related work as required.

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

Performs maintenance and repair activities on various pieces of heavy equipment including but not limited to heavy-duty truck and semi-tractors, excavators, bulldozers, graders, dump bodies, snow plows, backhoes, and trailers;  
Diagnoses, services and repairs various systems that are found on pieces of heavy equipment such as mechanical and computer electronic controls, air brake systems, transmissions, computer controlled automatic and manual transmissions;  
Troubleshoots malfunctions in the equipment and repair;  
Fabricates, modifies, and installs special equipment or replacement parts using welders, torch sets, plasma cutter and metal cutting saws;  
Performs routine maintenance checks and adjustments on such things as fluid levels, hoses, belts, brakes, tires, and clutches; changes filters and oil, and lubricates vehicles and motor driven equipment;  
Tunes gas and diesel engines, services valves, fuel filters and turbo chargers, and pressure checks fuel filters, adjust injector heights, fuel racks, governors, etc.;

Diagnoses problems, disassembles units, repairs or replaces parts, and reassembles units in brakes, cooling, drive, electrical, exhaust and emission control, heating and air conditioning, repairs or replaces heater cores, condensers, compressors, hoses, and controls, recharges air conditioning systems, hydraulic, steering and suspension system, coupling devices;

Overhauls engines, replaces engines, and rebuilds components;  
Performs NYS Inspections on a variety of equipment;  
Keeps tools, equipment, and work area clean, organized, and in good working condition;  
May assist in training lower-level workers in mechanical repair techniques;  
Road tests vehicles;  
Performs a variety of duties in keeping records, and in preparing work orders;  
Provides instruction and training in the proper methods and processes necessary to perform equipment repair, inspection and preventive maintenance;  
Performs inspections on a variety of heavy equipment;  
Assists other mechanics with the more difficult assignments;  
Performs other duties as assigned.

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

Knowledge of the standard practices, materials, tools, and equipment used in the repair and maintenance of motor vehicles and engines;  
Knowledge of safety issues in the use of tools, equipment, and supplies used in repair of motorized vehicles and Equipment;  
Knowledge of body and frame construction;  
Skill in the use of a variety of hand tools;

Skill in the use of gas and electric welding equipment;  
Skill in the use of mechanized tools, jacks, and hoist;  
Skill in the use of a variety of diagnostic testing and tuning equipment;  
Ability to diagnose mechanical, electrical and hydraulic malfunctions;  
Ability to read manuals and schematics;  
Ability to rebuild engines and major driveline components;  
Ability to communicate with other mechanics about repair work needed;  
Ability to enter repair information in fleet maintenance management software;  
Ability to provide training and explain instructions and guidelines to others effectively;  
Ability to organize and coordinate the work of the unit;  
Ability to determine work priorities and assign work to employees;  
Willingness to use and operate potentially harmful equipment, tools and machines;  
Manual dexterity;  
Physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:**

Three (3) years of experience in the maintenance and repair of automotive/heavy equipment.

**SPECIAL REQUIREMENT:**

Possession and maintenance of a NYS Class B driver's license AND a NYS Motor Vehicle Inspector's License or the ability to obtain a NYS Motor Vehicle Inspector's License within one (1) year of appointment.