

**DEPARTMENT:** NORTH TONAWANDA FIRE DEPT.  
**CLASSIFICATION:** NON-COMPETITIVE  
**APPROVED:** MAY 1, 2017

**FIRE EQUIPMENT MECHANIC**

**DISTINGUISHING FEATURES OF THE CLASS:** This is skilled work involving responsibility for automotive and other mechanical repairs to fire fighting equipment in order to maintain all department apparatus and equipment in an efficient operating condition. Incumbents are responsible for maintaining the repair shop and all apparatus, tools and equipment in it. All work is to be performed in a safe and efficient manner that adheres to all rules, regulations, and standard procedures. An employee in this class is expected to respond to multiple alarm fires to insure proper operation of apparatus. The work is performed under the general direction of the Assistant Fire Chief responsible for fleet maintenance repair and inventory, with leeway allowed for the use of independent judgment in carrying out the details of the work. Does related work as required.

**TYPICAL WORK ACTIVITIES:**

1. Rebuilds pumps and engines;
2. Diagnoses, overhauls and repairs malfunctions in engines, transmissions and transfer cases and differentials;
3. Diagnoses and repairs malfunctions in ignition systems, starters, alternators, generators, and related electrical devices and their circuitry
4. Maintains, diagnoses and repairs malfunctions in hydraulic, vacuum, and air brake systems;
5. Diagnoses problems, repairs and maintains fire pumps and their related flow and pressure regulating and controlling devices;
6. Performs electric and acetylene welding;
7. When assigned, responds to multiple alarm fires for the purpose of maintaining and repairing firefighting equipment;
8. Makes estimates and prepares requisitions for materials;
9. Establishes and maintains a preventative maintenance program;
10. Maintains records of repairs and preventative maintenance activity;
11. Maintains and repairs related fire department equipment such as ladders, nozzles, gate valves, axes, pike poles, snow blowers, lawn mowers, 2 and 4-cycle engines, etc.
12. Performs minor body work;
13. Establishes and maintains a preventative maintenance program including lubrication of all assigned equipment, maintenance of equipment available for operation, and instruction of operators in the proper handling of mechanical equipment;
14. Inspects equipment to determine repairs needed; prepares repair estimates and requisitions for materials; orders parts and supplies for repairs; inspects completed repairs for effectiveness;
15. Diagnoses and repairs malfunctions in engines, performs tune-ups, and overhauls engine when necessary.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Thorough knowledge of standard automotive repair methods and of the terminology and tools of the trade; skill in the use of computers to perform research, trouble shoot, diagnose and locate parts in all department equipment and apparatus; demonstrated ability to make difficult repairs to automotive and other mechanical equipment; working knowledge of accident and safety precautions of the trade; ability to use and operate the tools necessary to accomplish these tasks; ability to operate electric and gas welding tools; ability to work from plans and specifications; ability to give, follow and interpret oral and written directions; ability to get along well with others; mental alertness; mechanical aptitude; manual dexterity; dependability; willingness to respond to multiple alarm fires when assigned; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:** Graduation from high school or possession of an equivalency diploma; **AND**

1. Graduation from a regionally accredited or New York State registered college, university, or technical school with an Associate's Degree or certification in automotive repair technology, automotive technology, or related field **and** one (1) year of experience as a skilled automotive mechanic which involved the repair and maintenance of heavy automotive equipment including the maintenance and repair of hydraulic systems, diagnostic systems, brakes, and diesel and gasoline engines; **OR**
2. Six (6) months of post-high school technical training in automotive repair technology, automotive technology, or related field **and** two (2) years of experience as a skilled automotive mechanic which involved the repair and maintenance of heavy automotive equipment including the maintenance and repair of hydraulic systems, diagnostic systems, brakes, and diesel and gasoline engines; **OR**
3. Four (4) years of experience as a skilled automotive mechanic which involved the repair and maintenance of heavy automotive equipment including the maintenance and repair of hydraulic systems, diagnostic systems, brakes, and diesel and gasoline engines.

**SPECIAL REQUIREMENT:**

Possession of a valid New York State drivers license.