

FIRE DEPARTMENT MECHANIC

(Competitive Class)

DISTINGUISHING FEATURES OF THE CLASS

This class encompasses positions in the repair and maintenance division of fire department vehicles and equipment. Incumbents of this class diagnose mechanical problems and conduct safety inspections on all departmental vehicles. Employees of this class maintain, repair, make adjustments to and organize replacement parts for all departmental vehicles, fire apparatus and equipment. Fire Department Mechanics perform duties with little supervision in most areas, performing special tasks assigned with only general instructions, and report to and have work reviewed by the Master Mechanic.

EXAMPLES OF WORK

Examples listed below are illustrative only. They are not intended to include all duties which may be assigned, neither are they intended to exclude other duties which may be logical assignments to this class.

Performs maintenance and repairs to gasoline engines which may include the installation or replacement of intake and exhaust manifolds, cylinder heads, crankshaft, gaskets or valves. Performs maintenance and repairs to diesel engines, which may include adjusting or replacing scavenging-air compressors, governors, fuel spray nozzles and turbochargers. Repairs fire apparatus hydraulic equipment such as pumps, aerial ladders, and hydraulic motors. Maintains and repairs fire apparatus fixtures including rotary gear and water towers.

Performs maintenance, repairs or adjustments on cooling, fuel, lubricating and electrical systems of fire department apparatus and vehicles. Ensures proper working order to systems by installing replacement parts such as fans, fan belts, fuel lines, filters, oil seals, PCV systems, batteries, spark plugs, cables and other parts as necessary. Performs maintenance, repairs or adjustments on brake, drive train, emission and suspension systems. Installs necessary replacement parts to such systems including replacing drum, disc or power brakes, clutches, transmissions, mufflers, tires and wheel bearings.

Performs general maintenance tasks on departmental vehicles and fire apparatus such as refueling vehicles, changing or adding oil, and adjusting headlights as needed, in order to assure peak performance. Repairs or replaces accessories on automotive equipment such as windshield wipers, lights and flashers as needed. Maintains or repairs automotive equipment using instruments such as hydrometers, voltmeters, dynamometers, and vacuum gauges. Performs automotive body repair work requiring the ability to weld, repair

dents, prime and paint.

Provides for the repair and maintenance of portable equipment and small power tools such as portable generators and pumps, power saws, lawn mowers and edgers.

Diagnoses mechanical problems using information received from fire department personnel. Reads service manuals, parts books, and any other written or internet-based material necessary to determine how to perform required repairs and maintenance duties. Makes mathematical calculations in order to perform accurate and correct measurements, adjustments or calibrations. Participates in any continued training required by the department.

Makes repairs at the emergency scene when needed. Determines if firefighting apparatus involved in an accident is safe for continued use. Locates and arranges for outside repair and maintenance services on department equipment or vehicles as necessary. Transports, delivers, and picks up equipment for repair or maintenance by driving department vehicles. Inspects repairs completed by outside services to ensure work was effectively accomplished and equipment or vehicles are in proper working order. Road tests and conducts required safety inspections on all department vehicles.

Maintains accurate inventory of department property, equipment and supplies. Organizes and stores inventory items in an orderly fashion to allow ease of locating and retrieving such. Provides for sufficient inventory of supplies and equipment necessary to perform the work of the automotive maintenance division.

Writes reports and personally completes all forms and records as required. Files records and reports, retrieving such from division files as needed.

Performs any related duties assigned.

QUALIFICATION REQUIREMENTS

Unless otherwise specified, all requirements listed below must be met by the filing deadline for application for admission to the examination.

Must meet all requirements of the Municipal Fire and Police Civil Service Law, including being a citizen of the United States and of legal age.

After offer of employment, but before beginning work in this class, must pass a physical examination, the selection and administration of which shall be authorized by the Appointing Authority, designed to demonstrate good health and physical fitness sufficient to perform the essential duties of the position, with or without accommodation.

Must possess a valid driver's license.

Applicant must possess one of the following: high school diploma, general educational development (G.E.D.) certificate, high school transcript, affidavit from the issuing high school, associate's or bachelor's degree, or college transcript, any one of which must indicate that graduation has occurred or a degree awarded. A certification of completion shall not be sufficient to substitute for a diploma or G.E.D. certificate.

Minimum of two (2) years of EVT level 1 training.

Must have at least five (5) years experience in automotive and heavy truck repair.