

**MAJOR FUNCTION**

This is highly skilled journeyman level work in the maintenance and repair of large pumps, motors, compressors, gasoline and diesel driven automotive and related heavy equipment. The employee of this class performs journeyman tasks in the mechanical repair and maintenance of automobiles, light and heavy-duty trucks, transit buses, tractors, graders, fire trucks, pumps, gas compressors, heat exchanger, sanitation hydraulic packer trucks and other related equipment. Employees work under general supervision using independent judgment and initiative as to method of repair after receiving work order. Work is reviewed by a supervisor while in progress and at the completion of the job.

**ESSENTIAL AND OTHER IMPORTANT JOB DUTIES****Essential Duties**

Performs general and major overhaul and repair work on automobiles, light and heavy trucks, mowers, and other automotive, diesel, pumps, compressors, and turbines, and mechanical equipment. Inspects, adjusts, and replaces necessary units and related parts including valves, pistons, main bearing assemblies, cooling, fuel, and exhaust systems, bearings, bushings, and seals. Tunes motors using standard testing equipment. Repairs and overhauls brakes, transmissions, differentials, and front and rear axle assemblies. Repairs and installs hydraulic controls. Takes down, repairs, and re-assembles air and gas compressors, pumps, and related equipment. Inspects, repairs, overhauls, and assembles automotive electric equipment such as generators, distributors, magnetos, and starters. Repairs and welds automobile and truck bodies. Uses hand and power driven tools and equipment such as grinders, fender hammers and sanders, drill presses, lathes, testing and welding equipment, and other garage and mechanical shop tools and equipment. Completes work orders and requisitions needed parts. Operates various equipment and vehicles in performance of duties. Performs related work as required.

**Other Important Duties**

May perform welding duties associated with mechanical repair tasks. Performs related work as required.

**DESIRABLE QUALIFICATIONS****Knowledge, Abilities and Skills**

Considerable knowledge of the construction, assembly, adjustment, and maintenance of a wide variety of automobiles, trucks, diesel motors, and other general and specific automotive and diesel equipment. Considerable knowledge of the construction, assembly, adjustment and maintenance of a wide variety of pumps and compressors and other specialized equipment. Considerable knowledge of the occupational hazards and safety precautions of the trade. Considerable knowledge of all types of shop tools such as drills, pressers, grinders, micrometers, boring bars, reamers, brake relining and drum grinding machines, and valve re-facing and seat grinding tools. Ability to diagnose the more common defects of motors in automotive equipment, pumps, turbines and compressors. Ability to detect by inspection any worn or broken part or improperly adjusted part or assembly. Ability to direct a small group of employees. Ability to keep records of repair and service operations and to make reports. Ability to follow oral and written instructions accurately. Ability to read and understand maintenance manuals for all motors and equipment being maintained or repaired. Ability to perform work out of doors under adverse weather conditions. Skills in the application of methods and techniques used in the automotive and diesel mechanic craft. Skills in the care and use of pertinent tools, equipment and facilities.

Minimum Training and Experience

Possession of a high school diploma or an equivalent recognized certificate and three years of experience that includes automotive repair; or three years of experience that includes the repair of turbine, pumps, or compressors in the area to which the position is assigned; directly related experience may be substituted on a year-for-year basis for the required education.

Necessary Special Requirements

Must possess the appropriate State Commercial Driver's License (CDL) and endorsement(s) at the time of appointment, or must have passed the appropriate written CDL test/endorsement(s) and obtained a CDL permit at the time of appointment and obtain the appropriate CDL licensure within 60 calendar days from date of employment as a condition for continued employment.

At the department director's discretion, a Heating and Air Conditioning certificate from the National Institute for Automotive Service Excellence (NIASE) or an equivalent certificate may be required at the time of application for any of the designated positions allocated to this class.

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