

FIRE EQUIPMENT MECHANIC LEADWORKER

DEFINITION

Under general supervision, leads a group of mechanics in the maintenance and repair of Fire Department heavy equipment, apparatus, and related firefighting equipment.

SUPERVISION RECEIVED/EXERCISED

Receives supervision from the Equipment Supervisor. This class provides lead direction to mechanics and service workers, this class does not exercise supervision.

DISTINGUISHING CHARACTERISTICS

Fire Equipment Mechanic Leadworker is the advanced working lead level class in the Fire Department's Fire Equipment Mechanic series. The incumbent provides lead direction to a group of skilled and semi-skilled Fire Equipment Mechanics and service workers who perform skilled tasks in the mechanical repair and maintenance of all fire apparatus and related equipment. This class differs from Fire Equipment Mechanic II, in that incumbents of the latter do not assign work, or provide lead direction. This class differs from Equipment Supervisor in that the latter is the first line supervisory level.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

may include but are not limited to the following:

Provides lead direction to other mechanics and service workers and participates in the general overhaul, maintenance and repair work on Fire Department apparatus and equipment.

Assigns and inspects the work of skilled mechanics and other shop workers and provides technical assistance and training on new or unusually complicated installations or repairs.

Requisitions parts, tools, equipment, and materials needed for repair work.

Performs the fabrication of parts in connection with apparatus modification work and hydrant maintenance.

Disassembles, repairs and rebuilds parts such as crankshaft, transmission mounts, brackets, pumps and clamps.

Rebuilds, repairs and maintains heavy duty air brake systems, heavy duty suspension, alternators, transmissions.

Inspects, diagnose and repairs fire apparatus electrical equipment.

Performs fabrication tasks using lathes, shapers, drill presses, and welding equipment.

Disassembles, repairs, and tests pumps, air compressors, resuscitators, and extension ladders.

Repairs and overhauls diesel and gasoline engines, ignition systems, air brake systems, transmissions, differentials, front and rear axle assemblies; repairs and installs hydraulic controls; tunes motors using standard testing equipment.

Coordinates and performs training on the operational testing and maintenance of Fire Department apparatus and equipment.

Estimates labor and materials required; keeps time and material records; prepares reports.

Performs related duties as required.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

The methods, materials, tools and techniques used in the repair of heavy and light equipment.

Hydraulics and pump operations, air brake systems and electrical wiring systems.

The operating principles of gasoline and diesel engines, and of mechanical repair of trucks and firefighting apparatus and equipment.

The pertinent OSHA requirements, occupational hazards, and safety precautions of the trade.

Ability to:

Assign, and direct the work of skilled mechanics and other shop workers.

Diagnose defects in heavy and light equipment.

Adapt available tools and repair parts to specific repair problems.

Interpret and work from CAD drawings and sketches.

Operate computers and applicable software applications for basic data entry necessary for completion of assigned duties.

Skill in:

The use of drill presses, lathes, micrometers, calipers, and other standard tools and equipment of the machinist trade.

MINIMUM QUALIFICATIONS

Education:

Possession of a High School Diploma or equivalent GED completion, and

Experience:

Two years of experience equivalent to that gained as a Fire Equipment Mechanic II with the City of Fresno.

Necessary Special Requirements:

Possession at time of application of three (3) valid Medium-Heavy Truck certifications issued by the National Institute for Automotive Service Excellence (ASE).

Possession of a valid California Driver's License at time of appointment. Within thirty (30) days of appointment, must obtain a Class B California Driver's License and maintain a valid Class B California Driver's License for the entire term of employment in this class.

Possession of a valid California Office of the State Fire Marshal (OSFM) Fire Mechanic II certification is required at time of appointment. All required ASE and OSFM Fire Mechanic Certifications shall be maintained for entire term of assignment.

APPROVED: _____
Director of Personnel

DATE: _____

Tj:ar: 5/3/14
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