

## **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 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, drive train, brakes, suspension & steering, electrical, and HVAC systems, and performs preventative maintenance, 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.

Read and interpret technical documents related to fire vehicles and equipment.

Maintains a clean work area and assists with the cleaning of shop areas and equipment.

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:**

Provide lead direction to, and plan and assign the activities of, skilled mechanics and other shop workers.; provide technical assistance and training.

Prepare clear, concise, and comprehensive records, reports, correspondence,

and other written materials.

Diagnose defects in heavy and light equipment.

Adapt available tools and repair parts to specific repair problems.

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

**Skill to:**

Properly use hand and power tools and equipment, other standard tools and equipment of the machinist trade.

Use electronic diagnostic equipment and diagnostic software programs.

Safely operate a motor vehicle.

**MINIMUM QUALIFICATIONS**

Possession of a High School Diploma or equivalent GED completion;

**AND**

Two (2) years of full-time paid experience maintaining and repairing Fire: heavy and light equipment, apparatus, and other related fire-fighting equipment;

**AND**

Possess a valid National Institute for Automotive Service Excellence (ASE) Master Medium-Heavy Truck Technician certification, OR, possess a minimum of six (6) valid ASE certificates in the following listed components:

- Gasoline Engines (T1)
- Diesel Engines (T2)
- Drive Train (T3)
- Brakes (T4)
- Suspension & Steering (T5)
- Electrical/ Electronic Systems (T6)
- Heating, Ventilation & Air Conditioning (HVAC) (T7)
- Preventive Maintenance Inspection (T8)

**Necessary Special Requirements:**

Possession of a valid California Driver's License at time of appointment.

Within thirty (30) days of appointment, must obtain a valid Commercial Instructional Permit.

Within six (6) months must obtain and maintain a valid Commercial Class B California Driver's License with required endorsements and without air brake restriction.

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: (Signature on File)  
Director of Personnel Services

DATE: 4/19/2017

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