

## HEAVY EQUIPMENT MECHANIC II

### **DEFINITION**

Under supervision, maintains and repairs heavy equipment including City trucks, construction equipment, refuse trucks, and other vehicles and equipment.

### **SUPERVISION RECEIVED/EXERCISED**

Receives supervision from an Equipment Supervisor. This class does not exercise supervision.

### **DISTINGUISHING CHARACTERISTICS**

Heavy Equipment Mechanic II is the journey level class in the Heavy Equipment Mechanic series. Incumbents diagnose and perform fully skilled maintenance and repair of heavy construction, vehicle and mechanical equipment. This class differs from Heavy Equipment Mechanic Leadworker in that the latter is the advanced working/lead level class. It differs from Heavy Equipment Mechanic I in that the latter is an entry level class. This series differs from the Light Equipment Mechanic series in that the focus of the latter is on automotive maintenance and repair. This series differs from the Bus Mechanic series in that the focus of the latter is on the repair of buses and related transit equipment.

### **EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES**

*May include, but are not limited to the following:*

Performs skilled tasks in the repair and maintenance of heavy duty vehicles and equipment including City trucks, construction equipment, refuse trucks, and related equipment.

Performs engine tune-ups and adjustments using standard testing and diagnostic equipment.

Inspects, diagnoses, repairs, and maintains diesel, gasoline, and alternative fuel engines, drive train, brakes, suspension, steering, electrical including electrical systems, heating, ventilation and air conditioning and related components of transit vehicles and mechanical equipment.

Maintains records of work performed and assists in the training of subordinates.

Responds to road calls to repair heavy-duty mechanical 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 proper methods, materials, tools and techniques used in the overhaul, repair and maintenance of heavy-duty vehicles and equipment.

The operating principles and care of heavy-duty engines and engine driven sub-systems.

The occupational hazards and safety precautions of the trade, including the handling of hazardous materials.

Troubleshooting and diagnostic practices and techniques for heavy duty vehicles and equipment.

#### **Skill to:**

Properly use hand and power tools and equipment used in heavy equipment maintenance and repair.

Safely operate a motor vehicle.

#### **Ability to:**

Diagnose mechanical and electrical systems and related sub-systems.

Read, write and perform shop math at the level required for successful job performance.

Understand and carry out verbal and written instructions.

Adapt available tools and repair parts to specific repair problems.

Interpret and work from manuals, schematics, sketches, diagrams and work orders.

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

Establish and maintain effective working relationships with those contacted in the performance of assigned duties.

**MINIMUM QUALIFICATIONS**

Possession of a High School Diploma or equivalent GED Completion;

**AND**

Three (3) years of full-time paid heavy-duty mechanic experience;

**AND**

Possess the following three (3) valid certifications issued by the National Institute for Automotive Service Excellence (ASE):

- Diesel Engines (T2)
- Drive Train (T3)
- Brakes (T4)

**Special Requirement(s):**

Within six (6) months of appointment, selected incumbents must obtain, and maintain, an additional three (3) ASE certifications in the following components:

- Suspension/Steering (T5)
- Electrical/Electronic Systems (T6)
- Heating, Ventilation & Air Conditioning (T7)

Possess 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.

A Heavy Equipment Mechanic I may be promoted to Heavy Equipment Mechanic II after one (1) year of experience and upon the recommendation of the appointing authority AND possession at time of promotion of three (3) valid certifications by the National Institute of Automotive Service Excellence (ASE) as listed in the Heavy Equipment Mechanic I job specification.

APPROVED:                                 Signature on File                                      DATE:                         12/01/16                          
                                Director of Personnel Services