

HEAVY EQUIPMENT MECHANIC I

DEFINITION

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

SUPERVISION RECEIVED/EXERCISED

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

DISTINGUISHING CHARACTERISTICS

Heavy Equipment Mechanic I is an entry level class for candidates qualified to learn the duties of a Heavy Equipment Mechanic II. Incumbents apply previously acquired mechanical skills while learning the special skills required to maintain heavy construction, vehicle and mechanical equipment. While in this class, incumbents will not achieve permanent status within the classification, as defined in Fresno Municipal Code Section 3-202(p)(5). This class differs from Heavy Equipment Mechanic II in that the latter is the journey level class in which incumbents are experienced in the diagnosis, maintenance and repair of heavy vehicles and equipment. This series differs from the Light Equipment Mechanic series in that the focus of the latter is on automotive equipment repair. It differs from the Bus Mechanic series in that the focus of the latter is on 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.

Performs minor repairs and replaces components on City trucks, construction equipment, refuse trucks and related equipment.

Learns the disassembly, reassembly, preventative maintenance and inspection, diagnoses, installation, and repair of diesel, gasoline, and alternative fuel engines, drive train, brakes, suspension, steering, electrical including electrical systems, heating, ventilation and air conditioning and related components; and, correct use of corresponding tools and equipment.

Responds to road calls to repair heavy duty mechanical equipment.

Tests and inspects heavy-duty engines, transmissions, electrical systems, air compressors and other sub-systems.

Maintains records of work performed.

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, and equipment used in the diagnosis, maintenance and repair of heavy-duty vehicles and equipment.

The operating principles 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:

Learn to diagnose malfunctioning mechanical and electrical systems and related sub-systems.

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.

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

Understand and carry out verbal and written instructions.

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

MINIMUM QUALIFICATIONS

Possession of a High School Diploma or equivalent GED completion;

AND

One (1) year of full time paid experience performing routine maintenance and simple repairs on diesel and gasoline powered cars, trucks, buses, construction equipment, and other vehicles and equipment;

Special Requirement(s):

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.

Within twelve (12) months of appointment, must possess three (3) valid certifications issued by the National Institute for Automotive Service Excellence (ASE) in the following components:

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

Incumbents must take all three certification examinations within the first six (6) months of appointment. Failure to obtain the ASE certifications within twelve (12) months of appointment will be cause for termination from this class.

This class is in a flexibly-staffed series, which requires one year of satisfactory service before an employee can "flex" to the journey level. Employees in classes that require one year of service for flexing will not serve an additional probationary period at the journey level.

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 of three (3) of the above listed T Series ASE certifications.

APPROVED: (Signature on File) DATE: 12/8/2017
Director of Personnel Services

Revised: TJ: scm: ar 12/31/14
Revised TJM: SCM: KP: lg 11/16/16
Revised: SCM:bn 11/15/17