

HEAVY EQUIPMENT MECHANIC II

DEFINITION

Under supervision, maintains and repairs medium and heavy automotive and construction equipment including City trucks, refuse trucks, trolleys, 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 medium and 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 light 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 medium and heavy duty vehicles and equipment including City trucks, construction equipment, refuse trucks, trolleys, 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, hydraulics, air brakes, and other braking systems; 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 other employees.

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 and follows Occupational Safety and Healthy Administration (OSHA) and other required safety standards.

Performs related duties as required.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

The methods, materials, tools and techniques used in the overhaul, repair and maintenance of medium and heavy-duty vehicles and equipment.

The operating principles of medium and heavy-duty engines, electric vehicles, 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 medium and heavy duty automotive vehicles and equipment, and related systems.

Skill/Ability to:

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

Operate a motor vehicle safely.

Diagnose mechanical and electrical systems and related sub-systems.

Read, write, and perform 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

Education:

Possession of a High School Diploma or equivalent GED Completion.

Experience:

Two (2) years of full-time paid experience maintaining and repairing heavy equipment including trucks, construction equipment, refuse trucks, and other vehicles and equipment. A certification of completion from a recognized vocational or technical school program in automotive or heavy equipment technology may be substituted for one (1) year of experience.

Special Requirement(s):

Possession of a valid Commercial California Class B Driver's License with required endorsements and without air brake restriction is required at the time of application and continued maintenance throughout the entire term of employment in this classification.

Possession at the time of application and continued maintenance throughout the term of employment in this classification the following two (2) valid certifications issued by the National Institute for Automotive Service Excellence (ASE) in the Medium-Heavy Truck (T) Series:

- Brakes (T4)
- Steering & Suspension (T5)

Within twelve (12) months of appointment, incumbents must obtain, and maintain throughout the entire term of employment in this classification any additional two (2) ASE certifications in the Medium-Heavy Truck (T) Series. Incumbents must take these two (2) above 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 classification.

A Heavy Equipment Mechanic I may be promoted to Heavy Equipment Mechanic II as early as six (6) months of experience at the I level upon the recommendation of the appointing authority and possession of the required licenses and certifications as listed in the Heavy Equipment Mechanic I job specification. Employees hired at the II level will be required to serve the twelve (12) month probationary period at that level.

PHYSICAL DEMANDS

The physical demands described here are representative of those that are necessary to safely, effectively, and efficiently perform the essential functions of this job with or without reasonable accommodation.

This classification's physical demands involve very heavy work which requires occasionally exerting in excess of 100 pounds of force occasionally with assistance, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects. Additionally, the following physical demands may be required: balancing, bending, climbing, crawling, crouching, feeling, manual dexterity, grasping, gripping, handling, hearing, kneeling, lifting, mental acuity, pulling, pushing, repetitive motion, speaking, standing, stooping, talking, twisting, visual acuity, walking.

APPROVED: Signature on File DATE: 10/20/2025
Director of Personnel Services

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