



CITY OF CALEXICO

CLASS TITLE: MECHANIC II

MONTHLY: \$4,115 - \$5,002

RANGE: G-27

BASIC FUNCTION:

Under the direction of the Shop Supervisor, perform technician level mechanical work in the overhaul, inspection, diagnosis, repair and maintenance of automotive and heavy equipment including gasoline and diesel-powered vehicles and equipment and grounds maintenance equipment.

DISTINGUISHING CHARACTERISTICS:

This is the top level of the Mechanic classification series. Incumbents at this level are expected to perform the full scope of skilled work with a minimum of supervision; to train and have responsibility for lower rated personnel assigned to them; and to work under the direction of an assigned leader or supervisor. Progression to this level is from Mechanic I and will depend on vacant positions at this level.

REPRESENTATIVE DUTIES:

ESSENTIAL DUTIES:

Perform technician level mechanical work in the overhaul, inspection, diagnosis, repair and maintenance of automotive and heavy equipment including gasoline and diesel-powered vehicles and equipment and grounds maintenance equipment.

Repair and perform preventive maintenance on grounds maintenance equipment including tractors, weed eaters and lawnmowers.

Evaluate maintenance, servicing and repair needs; inspect and diagnose mechanical malfunctions; maintain records of work performed and materials used.

Rebuild, repair and fabricate automotive and heavy equipment; weld, solder and braze parts and equipment.

Adjust and reline brakes; maintain and replace anti-lock, air and hydraulic brake system components; install bearings; align front worn parts; change and balance tires.

Train and provide support to journey level staff.

Diagnose and repair engine electrical and ignition systems, such as distributors, coils, alternators, starters and related systems; install and repair communications equipment.

Rebuild, repair and adjust standard transmissions, drive shafts, differentials, clutches, gears and valves; tune engines and carburetors; repair fuel injection systems.

Maintain shop area, equipment and tools in a safe, clean and orderly condition; dispose of hazardous materials in accordance with established guidelines.

Evacuate and recharge air conditioning systems; replace system components and hoses as needed.

Operate a variety of diagnosis equipment and machinery utilized in the maintenance and repair of vehicles and heavy equipment; operate a computer and assigned software.

Communicate with other departments, outside agencies and personnel regarding vehicle repairs; communicate with vendors concerning parts; respond to emergency field calls as needed.

Perform a variety of repairs to vehicles and equipment such as changing light bulbs, installing light bars, window glass and removing dents.

OTHER DUTIES:

Install decals on patrol units as directed.

Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Techniques and practices of maintenance and repair of heavy and light automotive vehicles.

Safe operation of related tools, equipment and procedures in the overhaul, repair and adjustment of engines and of fuel, ignition, electrical and cooling systems.

Operation, theory and principles of gasoline and diesel-powered engines.

Methods, equipment, tools and materials used in the repair and maintenance of vehicles.

Diagnostic procedures for vehicles and equipment.

Preventative maintenance practices.

Applicable laws, codes, rules and regulations related to assigned activities.

Technical aspects of field of specialty.

Shop math applicable to vehicle maintenance.

Health and safety regulations.

Safe driving techniques.

ABILITY TO:

Diagnose, repair and maintain a wide variety of large and small gasoline and diesel-powered engines and heavy equipment.

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Diagnose and repair mechanical, electrical and computerized malfunctions.
Operate specialized equipment used in repairing or servicing of vehicles.
Read and apply technical and mechanical diagrams, schematics and repair manuals.
Maintain records related to work performed.
Observe legal and defensive driving practices.
Operate, service and make minor repairs on equipment.
Prioritize and schedule work.
Estimate materials and supply needs.
Interpret and apply applicable laws, codes, rules and regulations.
Observe health and safety regulations.
Proper lifting techniques.
Communicate effectively both orally and in writing.
Establish and maintain cooperative and effective working relationships with others.
Understand and follow oral and written instructions.

EDUCATION AND EXPERIENCE:

Any combination equivalent to: graduation from high school supplemented by successful completion of an apprentice program in automotive repair and four years technician level automotive or diesel maintenance and repair.

LICENSES AND OTHER REQUIREMENTS:

Valid California driver's license.
Valid EPA Refrigerant and Reclamation certification.
Incumbents must obtain a California commercial driver's license with air brake endorsement within designated probationary period.
Certified as an Automotive Technician
A.S.E Certification

WORKING CONDITIONS:

ENVIRONMENT:

Vehicle and equipment repair shop environment.
Driving a vehicle to conduct work.
Regular exposure to fumes, dust and odors.

PHYSICAL DEMANDS:

Pulling, pushing, lifting and carrying heavy objects.
Walking or standing for extended periods of time.
Bending at the waist, kneeling or crouching.
Reaching overhead, above the shoulders and horizontally.
Dexterity of hands and fingers to operate power tools and equipment.
Hearing and speaking to exchange information.

HAZARDS:

Subject to noise and fumes from equipment operation.
Exposure to chemical fumes and vapors such as gasoline and diesel fuel.
Working in a cramped or restrictive work chamber.
Working around and with machinery having moving parts.
Working around moving objects or vehicles.
Traffic hazards.