

LEAD MECHANIC
Public Works

DEFINITION

Under administrative supervision of the Public Works Superintendent directs, coordinates and participates in the work of Mechanics and Maintenance Trainees assigned to perform skilled mechanical repair, maintenance and modification of diesel and gasoline vehicles and equipment, passenger busses, and a wide variety of motorized equipment, modifies work plans as required, and performs other related duties as assigned. .

EXAMPLES OF DUTIES

- Trains and coordinates the work of assigned employee, and establishes priorities for repair and maintenance work.
- Assists assigned employees in performing a wide variety of diagnostic tests to gasoline and diesel vehicles, including buses, and motorized equipment to identify causes of operating problems and to determine needed repairs.
- Performs or supervises a wide variety of mechanical maintenance and repair work on gasoline and diesel engines, including overhauls and tune-ups, repair and/or replacement of carburetors and injection systems; the repair and/or replacement of cooling systems.
- Performs or supervises brake adjustments and wheel realignments.
- Performs or supervises repairs and/or replacements to steering boxes and clutches, transmissions and differentials; wheel bearings and brakes, and suspension systems.
- Diagnoses and troubleshoots electrical problems and makes electrical repairs to a wide variety of vehicles and equipment
- Repairs and replaces hydraulic systems and pumps, performs minor body repairs and modifications, perform welding and brazing work such as fabricating trailer hitches on dump trucks and mounts for radios and/or shotguns.
- Performs or supervises a wide variety of routine preventative maintenance tasks, including checking and changing oil, fluids, filters, filters, gaskets, etc; greases and lubes vehicle chassis, drains water traps and air tanks, check braking systems, checks for tire wear and replace tires; steam cleans engines; and keeps repair reports and maintains service records for all vehicles and equipment.
- Responds to calls for emergency road service and parts pickup.
- Prepares written records of work performed, work orders, requisitions, and keeps an inventory of supplies and parts.
- Performs all other related duties as assigned.

REQUIRMENTS

Knowledge of: Methods, materials, tools and equipment used in the diagnoses and repair of fueling systems, transmissions, gasoline and diesel engines, brakes and wheel bearings, hydraulic systems, suspension systems, cooling systems, clutches; proper methods for the repair of light and heavy equipment, buses, gasoline and diesel vehicles; methods used and training in safe work practices, including climbing, lifting, and carrying techniques, knowledge of the City's purchasing policies and procedures, and methods for maintaining inventory of parts and supplies.

Skills in: Coordinating, planning, instructing, scheduling, assigning, and monitoring the work assigned employees; teaching safety standards, techniques, and proper work procedures; communicating clearly and concisely, both orally and in writing, and when providing direction to employees, and in reviewing assignments with Superintendent; performing basic mathematical calculations including ability to measure lengths, diameters, areas, volume and quantities, rations, degrees, and angles; diagnosing and repairing vehicle and equipment problems; installing filters and coolers into equipment; fabricating items by operating arc welders, oxygen and acetylene welders and braze; operating equipment and using tools such as mechanics tool set, air ratchet, valve grinder, air jack, floor hoist, hydraulic jack, and road testing and diagnostic equipment; reading and understanding written instructions, service manuals and schematics, gauges and meters; using appropriate tools; maintaining and making repairs or replacing parts on light and heavy equipment; physically performing frequent, heavy, manual labor using safe work practices; safely transporting equipment, supplies, and materials; working independently without immediate supervision; maintaining cooperative working relationships with co-workers, and the general public.

OTHER REQUIREMENTS

Must possess a valid Class "B" California Drivers License (with Airbrake and Passenger Endorsements), must be willing to work nights, weekends, and/or on-call and/or overtime as necessary; must be willing to wear uniform and safety gear; must be able to handle physical aspects of the job including working in or under cramped spaces; climbing up to 10 feet, lifting or carrying up to 100 pounds, pushing, pulling, or dragging up to 150 pounds, rolling up to 300 pounds; standing and performing heavy physical labor on a sustained basis, must be willing to work around substances such as methane, gasoline, diesel fuels, solvents, lubricants, air, oxygen, acetylene under pressure; must provide own tools; and must participate in the Federally mandated, drug and alcohol testing program, including both pre-employment and random testing as a condition of employment.

DESIRABLE EXPERIENCE AND TRAINING

Applicants should have experience and training which would tend to demonstrate possession of the required knowledge and skills outlined above. An example would be:

Equivalent to graduation from high school and at least three years or any combination of formal or informal education or training experience in the maintenance and repair of both gasoline and diesel powered vehicles and equipment. Previous experience with buses and motorized equipment is highly desirable.