

SENIOR EQUIPMENT MECHANIC II

JOB DESCRIPTION

Classification Responsibilities: A Senior Equipment Mechanic II performs skilled diagnostic, maintenance, and repair of heavy gasoline and diesel-powered equipment. Work requires a high degree of technical knowledge as well as the ability to exercise independent judgment in determining the method of repair as assignments are received in the form of general oral or written work orders. Work involves diagnosing and repairing electrical and hydraulic systems and performing major repairs on a wide range of vehicles, including heavy construction and refuse equipment. In addition, this classification will be responsible for training and mentoring employees in the Equipment Mechanic II, Equipment Mechanic I, and Equipment Repair Assistant classifications. This will include cross-training in areas of specialization that the incumbents are certified in. As a part of this the incumbents will be required to maintain a current state of Arizona Diesel Emission Certificate along with at least five Automotive Service Excellence (ASE) Automotive and/or Truck certifications, three of which must be T2-Diesel Engine, T4-Brakes, and T6-Electrical/Electronic Systems. This class is also responsible for performing related duties as required.

Distinguishing Features: The Senior Equipment Mechanic II is distinguished from the Equipment Mechanic II by the responsibility for training and mentoring other employees. Incumbents may be assigned to a shift that includes nights, weekends, and holidays, and work is subject to rotational stand-by. Employees are required to use the appropriate safety equipment and procedures in performing assignments. The Senior Equipment Mechanic II receives supervision and work assignments from a Shop Supervisor, and work is reviewed through spot check observation, conferences, problems encountered, and overall results achieved. Employees may progress to this classification by noncompetitive promotion after successful completion of original City probation, minimum of one year as a City of Mesa Equipment Mechanic II, meet the specific criteria-based promotion requirements, and meet the minimum qualifications of the Senior Equipment Mechanic II classification. This class is FLSA nonexempt.

QUALIFICATIONS

Employee Values: All employees of the City of Mesa are expected to uphold and exhibit the City's shared employee values of Knowledge, Respect, and Integrity.

Minimum Qualifications Required. Any combination of training, education, or experience equivalent to a minimum of five years' experience as a journey-level mechanic, including some (6 months - 1 year) experience in heavy-duty equipment maintenance or repair, or as a City of Mesa Equipment Mechanic I. A current state of Arizona Diesel Emission Certificate along with five ASE Automotive and/or Truck certifications, three of which must be Diesel Engine (T2), Brakes (T4), and Electrical/Electronic Systems (T6).

Special Requirements. Must provide own basic hand tools and rollaway box. Must possess a valid Class D Arizona Driver's License by hire or promotion date. Must meet the qualifications to wear a tight-fitting respirator by passing a medical evaluation in accordance with Code of Federal Regulations (CFR) 1910.134 by hire or promotion date and must maintain certification (*by assignment*). Must obtain an International Mobile Air Conditioning Association (IMACA) Certification to do air conditioning work within 60 days of hire.

Substance Abuse Testing. Due to the safety and/or security sensitive nature of this classification, individuals shall be subject to pre-employment or pre-placement alcohol, drug and/or controlled substance testing as outlined in City policy and procedures.

Preferred/Desirable Qualifications. Certification as a General Automotive Mechanic is desirable. The following Automotive Service Excellence (ASE) certifications are recommended: Diesel Engine (T2), Brakes (T4), and Electrical/Electronic Systems (T6).

ESSENTIAL FUNCTIONS

Communication: Communicates with equipment operators, coworkers, and user department representatives in order to locate disabled vehicles during service calls or to determine the appropriate repair for the City's vehicles and equipment. Writes comments on repair orders to exchange information and reports progress during the course of repair work. Estimates cost and time to determine the most cost-effective method of repair.

Manual/Physical: Diagnose and repair drivability concerns on equipment utilizing electronic tools, shop manuals, and other reference material. Overhauls and repairs hydraulic, electronic, and brake systems. Tests, adjusts, and repairs fuel systems, transmissions, brake components, and other mechanical devices. Performs vehicle emissions testing on diesel engines. Sets hydraulic pressures to manufacturer specifications. Troubleshoots and repairs hydraulic and electrical problems, including: stuck valves, damaged pumps, and bypassing cylinders. Removes and installs hydraulic cylinders and components. Measures distances to determine wear values, such as brake drums and internal engine components, and to correct mechanical discrepancies. Operates vehicles and equipment requiring a standard Class D Arizona Driver's License to road test. Uses screwdrivers, wrenches, air-powered tools, etc., in completing repair work. Detects air leaks while inspecting air brakes. Detects vapors from hydraulic, motor, and transmission oils, brake fluids, diesel fuel, gasoline, etc. Inspects equipment and vehicles to assist in problem diagnosis. Traces electrical systems. Works with brake cleaners and solvents. Cleans work area and equipment. Uses a respirator when performing duties requiring exposure to hazardous fumes and/or when working in a confined space (*by assignment*). Moves refuse to gain access to the area behind packer blades in performing repair work. Moves heavy objects, such as: 16.5-inch brake drum assemblies, packer assemblies, and hydraulic components for distances of up to ten feet using an appropriate aid as needed. Works in small, cramped areas, at heights greater than ten feet, in repairing lighting systems on vehicles, and in a variety of weather conditions in performing field service or road calls. Works around or uses potentially hazardous materials requiring the use of specialized equipment.

Mental: Diagnoses operational problems on heavy-duty equipment, such as engines, transmissions, brakes, hydraulic systems, etc., in order to determine the source of a problem. Comprehends, interprets, makes inferences, and applies knowledge from shop service manuals to follow recommended repair procedures. Prioritizes own work assignments. Reads and interprets schematic drawings in diagnosing and correcting wiring problems. Learns job-related material regarding electrical and hydraulic systems through on-the-job training. Learns proper repair techniques as recommended by the manufacturer in classroom settings.

Knowledge and Abilities: (The knowledge and abilities listed may not apply to all positions.)

Knowledge of:

the hazards and safety precautions of the mechanic's trade;
the methods, materials, tools, and standard practices of the heavy-duty mechanic's trade;
the principles of operation of internal combustion and diesel engines;
steering and suspension systems, and electrical systems and equipment;
the operating and maintenance requirements of heavy-duty equipment;
the installation and repair of major systems, including: air conditioning, air brakes, and air systems;
the state gas or diesel engine emissions testing requirements; and
the techniques and practices of gas and arc welding.

Ability to:

diagnose and repair operational problems on heavy-duty equipment;
understand and effectively carry-out verbal and written instructions;
prepare and maintain accurate work records of maintenance work;
handle all physical requirements of the class; and
establish and maintain effective working relationships with management, coworkers, supervisors, and user departments.

The duties listed above are intended only as general illustrations of the various types of work that may be performed. Specific statements of duties not included does not exclude them from the position if the work is similar, related, or a logical assignment to the position. Job descriptions are subject to change by the City as the needs of the City and requirements of the job change.

Revised 6/25

JV

CS4695

EEO-SCW

JOB FCTN-MEC

Non-DOT Safety-Y

CDL-N

RESP-Y (*By Assignment*)

PAY GRADE: 51

IND-8380

SWORN-N

Non-DOT Random-N

DOT-N

INCREMENTS 081-200