

## SENIOR EQUIPMENT MECHANIC I

### JOB DESCRIPTION

**Classification Responsibilities:** A Senior Equipment Mechanic I performs skilled diagnostic service, maintenance, and repair work on automotive and related equipment. Work requires a high degree of technical knowledge, as well as the ability to exercise independent judgment in determining repair methods. Work may include performing preventive maintenance tasks on equipment, troubleshooting hydraulic and electrical problems, and servicing heavy equipment. Assignments may increase in scope and responsibility as increased knowledge and work skill is attained. In addition, this classification will be responsible for training and mentoring employees in the 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 assignment 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 A8-Engine Performance, A5-Brakes, and A6-Electrical/Electronic Systems. This class is also responsible for performing related work as required.

**Distinguishing Features:** The Senior Equipment Mechanic I differs from the Equipment Mechanic I by training and mentoring staff. Employees in Fleet Services may be assigned a shift including nights, weekends, and holidays. Work is subject to rotational stand-by. Employees are required to use the appropriate safety equipment and procedures in performing assigned tasks. The Senior Equipment Mechanic I is supervised by a Shop Supervisor who reviews work 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 I, meet the specific criteria-based promotion requirements, and meet the minimum qualifications of the Senior Equipment Mechanic I 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, and experience equivalent to a minimum of three years as a journey-level mechanic or three years' experience as an Equipment Service Worker (with demonstrated Equipment Mechanic abilities and/or completion of a recognized apprenticeship as a Mechanic). A current State of Arizona Diesel Emission Certificate along with five ASE Automotive and/or Truck certifications, three of which must be Engine Performance (A8), Brakes (A5), and Electrical/Electronic Systems (A6).

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

**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. Certain positions within this class are subject to DOT Federal Motor Carrier Safety Administration (FMCSA) drug and alcohol testing as outlined in 49 Code of Federal Regulations (CFR) Part 382 (by assignment).

**Preferred/Desirable Qualification.** Certification as a General Automotive Mechanic.

## **ESSENTIAL FUNCTIONS**

**Communication:** Communicates with coworkers and user departments to provide maintenance services for the City's vehicles and equipment. Prepares written repair order comment sheets and reports regarding equipment repair status.

**Manual/Physical:** Uses electronic scan tools to assist in determining what repairs are required. Repair, install and tunes engines, transmissions, fuel systems, air conditioning, cooling systems, and other mechanical and electronic systems. Removes and installs fuel and water pumps, engines, and fuel delivery systems. Rebuilds air and hydraulic brake components, drums, discs, and cylinders. Performs preventive maintenance tasks, such as checking brake levels, belts, and hoses, changing oil and filters, and tuning engines. Operates vehicles and equipment requiring a standard Arizona Driver's License to road test. Uses common hand and power-driven tools employed in the maintenance and repair of automotive equipment. Utilizes an emissions analyzer to perform vehicle emissions tests on gas and diesel engines. Locates and adjusts defects in motor equipment. Prepares and maintains accurate records of maintenance work. Inspects fleet and shop equipment to determine compliance with prescribed operating and safety standards. Distinguishes colors to interpret electrical circuitry. Cleans work area and equipment using cleaning fluids and agents. Uses a respirator when performing duties requiring exposure to hazardous fumes and/or when working in a confined space. Moves heavy (50 - 800 pounds) objects, such as transmissions, engines, etc., with the assistance of a forklift or other device. Works at heights of 10+ feet in performing operational and safety inspections on aerial manlift equipment. Works in a variety of weather conditions in performing field safety inspections and road service calls.

**Mental:** Diagnoses operational problems on a variety of automotive equipment in order to determine the source of a problem. Comprehends and makes inferences from electronic diagnosis, written material (i.e., interprets service manuals and schematics, understands lube charts and computer-generated repair orders, etc.). Learns job-related material regarding preventive maintenance, equipment service and repair, safety practices and procedures, etc., through on-the-job training and in classroom settings.

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

Knowledge of:

the methods, materials, tools, and standard practices of the automotive mechanic's trade;  
the principles of internal combustion engine operation;  
the hazards and safety precautions of the mechanic's trade;  
the state requirements associated with vehicle emissions testing of gas or diesel engines;  
the installation and repair methods of automotive air conditioning systems;  
the service and repair methods of air brakes and air systems; and  
simple gas and arc welding and auto electrical systems and equipment.

Ability to:

diagnose and repair complex electronic and mechanical problems on automotive equipment to determine problem source;  
perform preventive maintenance tasks on a variety of vehicles and motorized equipment;  
understand and effectively carry out verbal and written instructions;  
read and interpret service manuals, schematics, charts, etc.;  
handle all physical requirements of the class; and  
establish and maintain effective working relationships with 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 9/16

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JOB FCTN-MEC

INCREMENTS 81-200

PAY GRADE: 43

IND-8380

SWORN-No