

## TURF EQUIPMENT MECHANIC

### JOB DESCRIPTION

**Classification Responsibilities:** A Turf Equipment Mechanic performs specialized journey-level mechanical maintenance and repair of all maintenance equipment at the cemetery, sports fields, and City parks, including but not limited to: diesel-powered tractors, gasoline-powered equipment, a variety of small engines, and electric-powered equipment (example: greens mowers, golf/utility carts, string line trimmers, blowers, etc.). The variety of equipment maintained (example: loader/backhoe, out-front rotary, lowering devices, dirt hauling trailers, etc.) requires knowledge of gasoline, diesel, and hydraulic engines, as well as familiarity with automatic transmissions, reel grinding, and back lapping. Depending on area of assignment, a Turf Equipment Mechanic may also maintain and repair a fleet of golf/utility carts which involves: complete electrical system diagnosis and repair; motor repair and rebuilding; steering and front-end alignment; and body and fender repair and repainting. Work also involves maintaining an inventory and stocking items (example: tools, supplies, equipment, fuel, lubricants) at the Facilities or District maintenance shop for equipment repair and maintenance. This class performs related duties such as athletic field maintenance or preparation as required.

**Distinguishing Features:** A Turf Equipment Mechanic is expected to independently diagnose and carry-out needed maintenance and repairs under the general supervision of a Parks Maintenance Leader, Parks and Community Facilities Maintenance Foreman, or Cemetery Operations Coordinator (*depending on assignment*), who is not expected to be a technical expert in mechanical repair. Duties may require working rotating weekends. The Turf Equipment Mechanic is required to use appropriate safety procedures and equipment in completing assigned duties. 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 graduation from high school or GED. Considerable (3 - 5 years) experience as a journey-level mechanic, including experience in the maintenance, repair, and rebuilding of gasoline and diesel engines, and hydraulics.

**Special Requirements.** Must possess a valid Class D Arizona Driver's License by hire or promotion date.

**Substance Abuse Testing.** None.

**Preferred/Desirable Qualifications.** Specialized training in the servicing, maintenance, and repair of turf maintenance equipment is preferred. Experience with the set up and sharpening of reels and bedknives preferred. Welding experience preferred.

## ESSENTIAL FUNCTIONS

One position may not include all of the essential functions, knowledge and abilities listed, nor do the listed examples include all the knowledge and abilities which may be found in positions of this classification.

**Communication:** Communicates with other City employees, vendors, management, and contractors in order to schedule equipment with other departments, and to order parts, supplies, and fuel. Instructs and/or trains Parks, Recreation and Community Facilities (PRCF) maintenance workers regarding preventive maintenance, proper cleaning, and rules for safe operation of equipment. Prepares and updates equipment maintenance records and fuel usage reports to keep track of repairs made to equipment, and to monitor fuel usage and storage tank supply.

**Manual/Physical:** Services turf maintenance equipment. Performs minor and major repairs on specialized equipment and gasoline and diesel engines. Repairs and maintains a loader/backhoe, outfront rotary, cemetery lowering devices, and dirt hauling trailers. Maintains, repairs, and rebuilds combustion engines. Locates and adjusts defects in motorized equipment. Rebuilds and fixes motors. Does engine tune-ups. Calibrates brake systems. Removes and installs automatic and manual transmissions, clutches, engines, drive shafts, and tires. Repairs or replaces hydraulic system components, fuel pumps, small engines, carburetors, spark plugs, and air filters. Checks out electrical problems and makes necessary repairs. Overhauls brake systems on equipment. Operates a reel mower grinder and other specialized sharpening equipment to sharpen, grind, and replace reels, flails, cutters, bedknives, and mower bars on grass and weed mowing and cutting equipment. Operates a motor vehicle such as a pickup and dump truck requiring a standard Class D Arizona Driver's License to transport equipment and supplies to the job site. Operates power-driven machinery to test for proper operation and helps maintain turf maintenance equipment. Uses common hand tools to repair and service equipment. Operates power tools commonly used in the maintenance and repair of specialized maintenance equipment. Welds and cuts as needed. Works in small, cramped areas to adjust various parts on equipment. Moves heavy objects weighing up to 100 pounds using chain lifts or hand trucks in order to load and unload, rebuild, install, repair, sharpen, and service equipment. Orders and maintains records of parts, service charts, maintenance schedules, and service history on equipment. Maintains and controls inventories of tools, supplies, equipment, fuel, and lubricants stored at the PRCF mechanic shops. Detects hazardous situations such as audible backup warning devices when working around moving equipment and calls for assistance in order to maintain safety standards. Detects fuel leaks and smoke from wiring and electrical burning. Perceives the full range of the color spectrum in order to properly wire equipment, and to determine the different leaking fluids. Cleans work area and equipment. Works with cleaning fluids and agents, chemicals, solvents, and degreasers using normal protective equipment. Works in a variety of weather conditions while repairing equipment. Meets scheduling and attendance requirements.

**Mental:** Analyzes problems involving a variety of mowing and other specialized maintenance equipment including golf/utility carts. Diagnoses defects in electrical and mechanical equipment. Implements preventive maintenance and mower sharpening schedules. Determines replacement parts needed. Estimates labor and material costs to repair or rebuild equipment. Prioritizes order of equipment repair work. Resolves procedural and operational problems by coordinating and prioritizing repair and service work. Comprehends and makes inferences from written material such as service and

technical manuals and specification charts in order to repair or rebuild equipment. Learns job-related material through on-the-job training and classroom instruction regarding repair, maintenance, and troubleshooting of equipment.

**Knowledge and Abilities:**

Knowledge of:

turf management operations, procedures, and specialized equipment;  
procedures and methods for troubleshooting motors, engines, and hydraulic systems;  
methods, materials, tools, and standard practices of the mechanics' trade;  
principles and operation of internal combustion engines; and  
the hazards and safety precautions of the trade.

Ability to:

repair and maintain heavy-duty maintenance equipment including, but not limited to: diesel-powered tractors, gasoline-powered equipment, a variety of small engines, and electric-powered equipment;  
repair or replace hydraulic system components, fuel pumps, small engines, carburetors, spark plugs, and air filters;  
overhaul brake systems on equipment;  
complete electrical system diagnoses and repairs;  
complete motor repair and rebuilding;  
repair/replace transmissions;  
operate power-driven machinery to test for proper operation;  
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.

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INCREMENTS 81-200

PAY RANGE: 43

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