



Office of Human Resources  
Mechanic Turf Equipment - CJ2613  
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### General Statement of Duties

Performs full performance skilled trades work in the maintenance, repair, and overhaul of grounds maintenance machinery and equipment.

### Distinguishing Characteristics

This class is distinguished from the Maintenance Technician, which does not have two years of repairing gasoline and diesel engines, mowers, compressors, and/or tractors; and, is distinguished from the Turf Equipment Mechanic Supervisor, which has full supervisory responsibilities.

### Level of Supervision Exercised

By position, performs lead work.

### Essential Duties

Performs maintenance, repair and overhaul on hydrostatic drive and hydraulic operated equipment, water and air cooled engines, diesel engines, and four cylinder gasoline engines.

Repairs and replaces clutches, U-joints, and differential assemblies.  
Troubleshoots and repairs mechanical and hydraulic brake systems.

Tests hydraulic systems, adjusts and repairs hydraulic cylinders and valve bodies.

Repairs cooling systems; repairs and rebuilds starting systems and electronic starting systems.

Sharpens reels and blades; repairs tires including mounts and dismounts.

Assists in training operators on safety features and operation of turf equipment.

Maintains activity records and prepares reports.

By position, orders and maintains parts and hand tools inventory.

By position, acts as a lead worker, training, assigning, and overseeing the work of other personnel.

By position, may be required to be on-call to address emergent needs.

Performs other related duties as assigned or requested.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

### Competencies

Mathematical Reasoning – Understanding of basic math that will be used on the job including counting, adding, subtracting, and multiplying.

Oral Communication - Expresses information to individuals or groups effectively; taking into account the audience and nature of the information; makes clear and convincing oral presentations; listens to others, attends to nonverbal cues and responds appropriately.

Reading – Understands and interprets written material, including technical materials, rules, regulations, instructions, reports, charts, graphs, or tables; applies what is learned from written material to specific situations.

Technical Competence – Uses knowledge that is acquired through formal training or extensive on-the-job experience to perform one’s job; works with, understands, and evaluates technical information related to the job; advises others on technical issues.

Technical Problem Solving – Troubleshoots, diagnoses, analyzes, and identifies systems malfunctions to determine the source and cause of the problem.

Written Communication – Composes, reviews, edits, and issues written materials for diverse audiences and communicates purpose in a succinct and organized manner that is appropriate for context, time, and place.

### **Knowledge & Skills**

Knowledge of motor vehicle engines, parts, and systems, including their designs, uses, repair, and maintenance.

Knowledge of engineering concepts, principles, and practices, and of equipment, tools, mechanical devices, and their uses to produce motion, light, power, technology, and other applications.

Knowledge of principles and methods for operating industrial equipment.

Knowledge of machines and tools, including their designs, installation, uses, repair, and maintenance.

Knowledge of electronic theory, circuits, components, and material properties (excluding computers).

Knowledge of materials, methods, and appropriate tools to process, treat, form, or shape metal.

Knowledge of safety hazards and necessary safety precautions sufficient to be able to establish a safe work environment for self and others.

### **Education Requirement**

Graduation from high school or the possession of a GED, HiSET or TASC Certificate.

### **Experience Requirement**

Two (2) years of experience in the diagnosis and repair of gasoline and diesel engines, mowers, compressors, and tractors.

### **Education & Experience Equivalency**

Additional appropriate education may be substituted for one year of the minimum experience requirement.

### **Licensure & Certification**

By position, requires a valid Driver's License at the time of application.

Licenses and certifications must be kept current as a condition of employment.

**Working Environment**

Atmospheric Conditions: conditions that affect the skin or respiratory system.  
Potential exposure to cold temperatures, cold enough to cause marked bodily discomfort.  
Potential exposure to hazardous conditions where there is danger to life, body, and/or health.  
Potential exposure to hazardous/toxic chemicals.  
Potential exposure to heat temperatures, hot enough to cause marked bodily discomfort.  
Potential exposure to temperature changes: variations in temperature from hot to cold.  
Potential exposure to hazards from electro/mechanical/power equipment  
Potential exposure to toxic chemicals.  
Potential exposure to humid conditions with high moisture content to cause bodily reactions.  
Noise: sufficient noise to cause distraction or possible hearing loss.  
Subject to burns and cuts.  
Subject to hazards of flammable, explosive gases.  
Subject to varying and unpredictable situations.  
Subject to pressure for multiple calls, inquiries, and interruptions.  
Subject to: vibrations and strain on the body to cause bodily harm if endured daily.  
Wet: frequent contact with water or other liquid.

**Level of Physical Demand**

4-Heavy (50-100 lbs.)

**Physical Demands**

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

Balancing: maintaining body equilibrium to prevent falling over.  
Carrying: transporting an object, usually by hand, arm, or shoulder.  
Climbing: ascending or descending objects usually with hands/feet.  
Color Vision: ability to distinguish and identify different colors.  
Crawling: moving about on hands and knees or hands and feet.  
Crouching: bending body downward and forward by bending legs.  
Depth Perception: ability to judge distance and space relationships.  
Feeling: perceiving attributes of objects by means of skin receptors.  
Field of Vision: ability to see peripherally.  
Field of Vision: ability to adjust vision to bring objects into focus.  
Fingering: picking, pinching, or otherwise working with fingers.  
Handling: seizing, holding, grasping, or otherwise working with hands.  
Hearing: perceiving the nature of sounds by the ear.  
Kneeling: bending legs to come to rest on one or both knees.  
Lifting: raising or lowering objects weighing no more than 100 pounds, from one level to another.  
Mental Demands: mathematical reasoning, memorization, oral comprehension, spatial orientation, and written comprehension.  
Pulling: exerting force on an object so that it is moving to the person.  
Pushing: exerting force upon an object so that the object is away.  
Reaching: extending the hand(s) and arm(s) in any direction.  
Repetitive motions: Making frequent movements with a part of the body.  
Standing: remaining on one's feet in an upright position.  
Stooping: bending the body by bending spine at the waist.  
Talking: expressing or exchanging ideas by means of spoken words.  
Vision Far acuity: ability to see clearly at 20 feet or more.  
Vision Near acuity: ability to see clearly at 20 inches or less.

Walking: moving about on foot.

**Background Check Requirement**

Criminal Check  
Employment Verification  
By position, Motor Vehicle Record

**Assessment Requirement**

None

**Probation Period**

Six (6) months.

**Class Detail**

**Pay Grade:** J-616  
**FLSA Code:** N  
**Management Level:** 10  
**Established Date:** 9/21/2018  
**Established By:** LS  
**Revised Date:**  
**Revised By:**  
**Class History:**