



Career Service Authority
Turf Equipment Mechanic

Page 1 of 5

GENERAL STATEMENT OF CLASS 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.

Guidelines, Difficulty and Decision Making Level:

Guidelines are generally numerous, well established, and directly applicable to the work assignment. Work assignment and desired results are explained by general oral or written instructions.

Duties assigned are generally repetitive and restricted in scope but may be of substantial intricacy. Employee primarily applies standardized practices.

Decisions or recommendations on non-standardized situations are limited to relating organizational policies to specific cases. Problems that are not covered by guidelines or are without precedent are taken up with the supervisor.

Level of Supervision Received and Quality Review:

Under normal supervision, within a standardized work situation, the employee performs duties common to the line of work without close supervision or detailed instruction. Work product is subject to continual review.

Interpersonal Communications and Purpose:

Contacts with the public or employees where explanatory or interpretive information is exchanged, gathered, or presented and some degree of discretion and judgment are required within the parameters of the job function.

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.

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.

MINIMUM QUALIFICATIONS

Competencies, Knowledge, & Skills:

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

Engineering and Technology – 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.

Industrial Equipment Operation – Knowledge of principles and methods for operating industrial equipment.

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

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

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

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.

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.

Writing – Recognizes or uses correct English grammar, punctuation, and spelling; communicates information (for example, facts, ideas, or messages) in a brief, clear, and organized manner; produces written information, which may include technical material, that is appropriate for the intended audience.

Mathematical Reasoning – Solves practical problems by choosing appropriately from a variety of mathematical and statistical techniques.

Oral Communication – Expresses information (for example, ideas or facts) to individual or groups effectively, taking into account the audience and nature of the information (for example, technical, sensitive, controversial); makes clear and convincing oral presentations; listens to others, attends to nonverbal cues, and responds appropriately.

Problem Solving – Identifies problems; determines accuracy and relevance of information; uses sound judgment to generate and evaluate alternatives, and to make recommendations.

Attention to Detail – Is thorough when performing work and conscientious about attending to detail.

Spatial Orientation – Knows one's location in relation to the environment; determines where other objects are in relation to one's self (for example, when using a map).

Physical Demands:

Standing: remaining on one's feet in an upright position.

Walking: moving about on foot.

Lifting: raising or lowering an object from one level to another.

Carrying: transporting an object, usually by hand, arm, or shoulder.

Pushing: exerting force upon an object so that the object is away.

Pulling: exerting force on an object so that it is moving to the person.

Climbing: ascending or descending objects usually with hands/feet.

Balancing: maintaining body equilibrium to prevent falling over.

Stooping: bending the body by bending spine at the waist.

Kneeling: bending legs to come to rest on one or both knees.

Crouching: bending body downward and forward by bending legs.

Crawling: moving about on hands and knees or hands and feet.

Reaching: extending the hand(s) and arm(s) in any direction.

Handling: seizing, holding, grasping, or otherwise working with hands.

Fingering: picking, pinching, or otherwise working with fingers.

Feeling: perceiving attributes of objects by means of skin receptors.

Talking: expressing or exchanging ideas by means of spoken words.

Hearing: perceiving the nature of sounds by the ear.

Repetitive motions: Making frequent movements with a part of the body.

Lifting: Raising or lowering an object over 50 pounds.
Far acuity: ability to see clearly at 20 feet or more.
Near acuity: ability to see clearly at 20 inches or less.
Depth Perception: ability to judge distance and space relationships.
Field of Vision: ability to see peripherally.
Accommodation: ability to adjust vision to bring objects into focus.
Color Vision: ability to distinguish and identify different colors.

Working Environment:

Extreme Cold: temperature cold enough to cause marked bodily discomfort.
Extreme Heat: temperature hot enough to cause marked bodily discomfort.
Temperature Changes: variations in temperature from hot to cold.
Wet: frequent contact with water or other liquid.
Humid: conditions with high moisture content to cause bodily reactions.
Noise: sufficient noise to cause distraction or possible hearing loss.
Vibrations: strain on the body to cause bodily harm if endured daily.
Hazards: conditions where there is danger to life, body, and/or health.
Atmospheric Conditions: conditions that affect the skin or respiratory system.
Exposed to hazards from electro/mechanical/power equipment
Exposed to toxic chemicals
Pressure due to multiple calls and inquiries
Subject to burns and cuts
Subject to hazards of flammable, explosive gases
Subject to varying and unpredictable situations

Education Requirement:

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

Experience Requirement:

Two 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 and/or Certification:

Possession of a valid driver's license at the time of application; and possession of a valid Colorado Class "R" Driver's License prior to the end of the probationary period.

CLASS DETAIL

FLSA CODE: Non-Exempt

ESTABLISHED DATE: 09/16/1995

ESTABLISHED BY: Shirley Nikkel

REVISED DATE: 07/12/2009

REVISED BY: John Hoffman

CLASS HISTORY 7/2009 - This class was revised, updated, and placed into the new class specification format.