Equipment Mechanic

**JOB PURPOSE:**

Maintains and repairs mechanical systems of both small and large motorized gas, electric and diesel equipment.

**CHARACTERISTIC DUTIES AND RESPONSIBILITIES:**

Diagnose, test, adjust, and repair mechanical systems of gas, electric and diesel powered engines and equipment such as: lawn movers, utility vehicles, tillers, sod cutters, blowers, string trimmers, compressors, chain saws, sweepers, snow broom units, and tree spades.

Repair or replace defective parts such as water pump, fuel pump, steering components, hydraulic systems, brakes, exhaust system, cooling system, carburetor, thermostat, gears, solenoid, pistons, valves, crankshaft, PTO (power take off) systems, differentials, and transmission.

Adjusts points, valves, carburetor, distributor, and spark plug gaps using feeler gauges.

Grinds, reams, re-bores, and re-taps parts to obtain specified clearances using grinders, lathes, taps, reamers, boring machines, and micrometer.

Installs batteries and tires. Performs grinding and sharpening of blades.

Performs preventative maintenance: change oil and filters, grease and lubricate moving parts.

Maintains inventory of parts and prepares purchase requisitions.

Maintains records of repairs and preventative maintenance.

**KNOWLEDGE, SKILLS, AND ABILITIES:**

Knowledge of tools, equipment, materials, methods, and practices of engine repair, mechanical systems and maintenance.

Ability to use and operate lathe, grinder, drill press, impact tools, tire changer, compressor, hoist, welder, and hand tools ordinarily used by an engine mechanic.

Ability to read and understand equipment specifications and schematics.

Ability to work in safe and efficient manner.

**MINIMUM REQUIREMENTS:**

**Education:** High school diploma or GED
Experience: Five years maintaining and repairing mechanical systems of both small and large motorized electric, gas and diesel equipment.

Certifications/Licenses: Valid driver’s license and ability to be insured by Indiana University.

PHYSICAL REQUIREMENTS:
Sitting, standing, walking, squatting/kneeling, reaching, grasping, pushing/pulling, twisting/bending, sifting/carrying up to 50 lbs multiple times per shift, fingerling, talking, hearing, and seeing.

WORKING CONDITIONS:
Spends most time indoors. Possible exposure to distraction/uncomfortable noise levels and vibration of body or extremities. Risk of bodily injury from mechanical parts, electricity, etc. Possible exposure to fumes, odors, etc. that may affect respiration and skin.

The intent of this job specification is to provide a representative summary of the types of duties and responsibilities that will be required of positions given this title and shall not be construed as a declaration of the specific duties and responsibilities of any particular position. Employees may be requested to perform job-related tasks other than those specifically presented in this specification.

A person with a disability who is pursuing employment opportunities with Indiana University and wishes to discuss minimum requirement accommodations should contact the campus HR office.