# Equipment Mechanic II

**Grade: 5**

**FLSA: Non-Exempt**

**Date: 12/19**

**Job Summary:** Diagnose and correct major malfunctions of motor vehicles and heavy construction equipment; performs other duties as assigned.

**Essential Functions:**

1. Trains and instructs Equipment Mechanic I in the performance of new or specialized repair and preventive maintenance techniques;
2. Disassembles and overhauls engines by installing new rings, bearings, valves, pistons, connecting rods, pins, crankshaft, clutch plate or other parts;
3. Performs engine and transmission analysis using computerized diagnostic equipment on gasoline and diesel engines;
4. Performs tune-ups on cars, buses, and heavy trucks, including replacement of spark plugs, fuel injection, wires, electronic ignition, distributors, rotors, etc. with gasoline and diesel engines;
5. Performs general maintenance on cars, trucks, heavy equipment including but not limited to fluid changes, filter replacement, lubrication, tire rotation/balancing, wiper blades/
6. Diagnoses and preforms mechanical repairs, including but not limited to brakes, exhaust systems, bearings, clutches, charging systems, control mechanisms, etc.
7. Inspects and repairs or replaces various standard components such as carburetors, alternators, oil pumps, starters, axles, wheel bearings, clutches, etc. on a wide variety of vehicles from cars to heavy trucks;
8. Changes tires and balances wheels and tires including checking front wheels for proper alignment;
9. Inspects, repairs, or replaces all air conditioning components including freon, belts, hoses, piping, seals, O-rings and compressors using modern leak detectors, analyzing equipment, charging equipment and required recycling equipment;
10. Repairs hydraulic systems including hose replacement, pump replacement and cylinder replacement;
11. Installs complete assemblies such as engines, transmissions, trans-axles, and rear-ends;
12. Performs welding, brazing, and other metal fabrication functions as needed. Overhauls gasoline and diesel engines by installing new rings, pistons, bearings, valves, rods, and crankshafts;
13. Performs other duties as assigned

**Required Knowledge, Skills, and Abilities:**

1. Ability to gain working knowledge of St. Mary’s County Government policies and procedures;
2. Ability to safely operate a motor vehicle and various heavy equipment;
3. Knowledge of safety regulations and established procedures for operating equipment as well as for ensuring public safety;
4. Knowledge of the basic principles of operations, basic components, common malfunctions, corrective repair practices and preventive maintenance techniques for internal combustion engines and various motor vehicle systems and sub-assemblies;
5. Ability to operate a computer;
6. Ability to diagnose and repair mechanical and electrical problems for a variety of vehicles ranging from automobiles to heavy trucks and from small horsepower engines to heavy construction equipment;

**Education and Experience:**

1. High school diploma or G.E.D.;
2. Five (5) years’ experience in maintenance and repair of motor vehicles and heavy motor equipment, five years of which should be at journey level;
3. Or equivalent technical training, education, and/or experience.

**Additional Requirements:**

1. Must have class B commercial driver’s license with air brakes and passenger endorsement or obtain one within six (6) months of appointment.
2. Must have or obtain a DOT physical examination prior to employment;
3. Position is classified as safety-sensitive and shall be subject to drug and alcohol testing as required under federal regulations.

**Physical and Environmental Conditions:**

Work demands constant physical effort, for example operating heavy equipment, vehicles, and tools over 60 pounds.

Work involves risks or discomforts which require special safety precautions, e.g., working around moving parts, or machines. Employees may be required to use protective gear such as boots and gloves; may require working in adverse weather conditions.

The above job description is not intended as, nor should it be construed as, exhaustive of all responsibilities, skills, efforts, or working conditions associated with this job.

Reasonable accommodations may be made to enable qualified individuals with disabilities to perform the essential functions of this job.

I certify that this is an accurate statement of the essential functions and responsibilities of this position.

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HR Representative Date

Your signature below indicates that you have received a copy of this position description.

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Employee’s Signature Date