

**WEST VIRGINIA MILITARY AUTHORITY
1703 COONSKIN DRIVE
CHARLESTON, WV 25311-1085
Vacancy Number ML240803**

OPENING DATE: 9 August 2024

CLOSING DATE: 22 August 2024

LOCATION: WVNG Joint Base – Rock Branch Facility.
160 Jacobson Drive, Rock Branch Industrial Park, Poca, WV

JOB TITLE: MA Mechanic 3

WORKING TITLE: Surface Maintenance Mechanic

PAY GRADE: 8

STARTING SALARY RANGE: \$42,738 - \$60,024 per annum

HOW TO APPLY: Anyone interested in applying for this position must submit a West Virginia Military Authority Application form and a copy of your resume to: West Virginia Military Authority, Attn. HR - employment application, 1703 Coonskin Drive, Charleston, WV 25311, or email to ng.wv.wvarng.list.ma-hro@army.mil. **All applications must be received by the closing date.**

The WVMA application for employment is located on the WVMA web site:
<https://militaryauthority.wv.gov/Forms/Pages/default.aspx>

NATURE OF WORK

This position is located in the Joint Forces Headquarters—State, Logistics Directorate (J-4), Surface Maintenance Facility. The purpose of this position is to perform maintenance, repair, troubleshooting, inspection, and/or overhaul of a variety of combat, tactical, commercial, and special purpose vehicles, and equipment.

EXAMPLE OF WORK

1. Troubleshoots, performs maintenance and major repairs on heavy-duty mobile equipment, combat, tactical and automotive vehicles. This may include self-propelled artillery, tracked cargo and personnel carriers, road graders, mobile cranes, front loaders, conveyors, bulldozers, power shovels, compressors, generators, tanks, tracked combat vehicles, sedans, buses, all-terrain vehicles, trucks, semi-trailers, forklifts, tractors, and accessory equipment. Troubleshoots, repairs and overhauls major systems to include internal combustion engines, turbine engines, automatic and non-automatic transmissions, heavy duty drive line systems, and hydraulic utility systems and controls. Makes repairs to

assemblies and components such as voltage regulators, generators/alternators, brake cylinders, etc. Performs work in accordance with modification workorders, technical manuals, lubrication orders, maintenance bulletins, regulations or management policies. May repair a variety of more complex major systems to include engines, cross drive or similar multi-system transmissions and a variety of intricate fuel injection systems.

2. Troubleshoots equipment and diagnoses the cause of mechanical failures by means of visual and auditory checks and/or uses test equipment such as engine analyzers, compression testers, voltmeters, ohmmeters, pressure gauges, and computer diagnostic tools. Utilizes embedded diagnostics in equipment and a wide variety of original equipment manufacturer system analyzers in order to determine the exact nature or extent of repair. Determines what adjustments may be necessary to complete work orders, and whether any additional repairs other than those specified or indicated on the work order are necessary.
3. Removes and disassembles engines and major assemblies, sub-assemblies, components, and fuel, hydraulic, and oil pressure systems. Makes the appropriate repairs, overhaul, or modifications in accordance with the proper repair specifications and procedures. Reassembles engines and other systems, and adjusts, tests, and reinstalls in vehicles and equipment as necessary. Makes adjustments and repairs to electrical and suspension systems. May install pistons, sleeves, rings, bearings, rods, crankshafts, timing gears, and rocker arms. May be required to perform fuel injection equipment repair, overhaul, rebuild, and calibration duties utilizing a variety of complex test and calibration equipment.
4. Independently performs repairs and maintenance functions in remote locations that can be accomplished by removing, cleaning, reinstalling, or replacing defective parts of components and systems such as injectors, leaking wheel cylinders, corroded mufflers, fuel tanks, brake cylinders and worn brake shoes, voltage regulators, generators, injector pumps, and fuel pumps. Provides technical guidance and specialized team leadership to lower grade employees within the team. Assists lower grade mechanics in performing major repair work. May provide Field and limited Sustainment maintenance at unit locations as part of a "contact team." Recovers and evacuates inoperable vehicles from the unit location of breakdown. May assist higher graded mechanics in repairing a variety of interconnected systems such as electrical, air and hydraulic systems, complex state of the art electrical and electronic systems that use specialized diagnostic equipment to identify problems, complex fuel injection systems and other similar complex systems.
5. Conducts readiness and repair inspections on vehicles and associated equipment supported by the activity. Performs operational inspections and ensures vehicles and equipment are properly serviced, including brake adjustments, replacing hydraulic fluids, greasing, cleaning, etc., and performs other preventive maintenance operations as required. Inspects supported equipment prior to use during Inactive Duty Training (IDT) and Annual Training (AT), to ensure that it is functioning properly. May inspect in-process repair work of lower graded repairer to ensure equipment is being repaired in accordance

with pertinent requirements. May serve as a commodity inspector during Command Maintenance Management evaluations (COMET) or as a member of a Maintenance Assistance Instruction Team (MAIT). Instructs operator/crew in the maintenance of equipment and provides technical advice and assistance to supported units when requested.

6. May maintain and repair electronics communication equipment by removing and replacing components and elements. Equipment includes such items as radios, field telephones, amplifiers, switchboards, recorders, intercoms.
7. Assists in the maintenance of production reports and records and makes recommendations to the supervisor. Plans, organizes, and performs technical analyses as required or assigned. Makes recommendations to the supervisor as to adjustments necessary to effectively, efficiently and economically accomplish the work and maximize production.
8. Must be willing to travel as required to support program and customer needs.
9. Must be willing and able to perform HAZMAT and Safety duties for NSW if assigned.
10. Performs other duties as assigned.

KNOWLEDGE, SKILLS AND ABILITIES

1. Thorough knowledge of the mechanical makeup, operation, and working relationships of complex systems, assemblies, and parts for a variety of combat, tactical, commercial, special purpose vehicles and equipment.
2. Ability to diagnose, repair, overhaul, and modify a variety of combat, tactical, commercial, special purpose vehicles and equipment.
3. Knowledge of electrical, electronic, hydraulic, pneumatic, and other non-mechanical systems that have a functional relationship and effect on the operation of mechanical systems.
4. Knowledge of hydraulic lifting, loading, turning, and positioning systems and their mechanical, hydraulic, pneumatic, electrical, and electronic controls.
5. Basic knowledge of electronics, sufficient to identify and replace defective components, such as sensors, diodes, and circuit boards.
6. Ability to repair or overhaul major components such as diesel, multi-fuel or gasoline engines, turbine engines, automatic and manual transmissions, drive line assemblies, electrical and electronic systems and accessories, fuel injection systems, and emission control systems.
7. Skill to use a wide variety of test and diagnostics equipment to perform fault isolation and conduct repair of combat, tactical, commercial, special purpose vehicles and equipment. Ability to operate and understand original equipment manufacturer computerized diagnostic equipment and embedded diagnostics.
8. Ability to utilize, interpret and apply parts list, manufacturer's repair manuals, technical manuals, diagrams, engineering drawings, diagnostic computer information, and schematics.
9. Basic knowledge and understanding of the mechanical makeup, operation, and working relationships of individual systems, and their interrelationships for a

variety of combat, tactical, commercial, automotive, special purpose vehicles and equipment.

10. Working knowledge of various techniques for removing, adjusting, replacing, cleaning, and installing parts and components of combat, tactical, commercial, automotive, special purpose vehicles and equipment.
11. Basic understanding of electrical, electronic, hydraulic, pneumatic, and other non-mechanical system theories; and skill to replace, fit, install, and adjust systems.
12. Skill to use basic test equipment and ability to analyze test results to determine fault for repair or replacement of improperly functioning parts or components. Ability to use basic tools common to the occupation.
13. Ability to determine when parts should be cleaned, reinstalled, or replaced with standard parts.
14. Ability to read and interpret parts list, manufacturer's repair manuals, technical manuals, diagrams, engineering drawings, and schematics.
15. Ability to operate material handling equipment (forklifts).
16. Ability to communicate effectively written and orally, may be selected to instruct NSW systems/operations to NSW personnel.
17. Ability to test equipment and analyze results to determine fault for repair or replacement of parts or components.

Work is performed in tiring or uncomfortable positions for long periods. There is frequent standing, bending, reaching, stretching, climbing, and crouching; or working on top of, under, and in tight compartments or cramped or awkward positions. Performs strenuous work while standing, lying, or sitting. Frequently lifts and carries items, unassisted, weighing up to 40 pounds; and often exerts similar effort in pushing, pulling, and positioning parts, assemblies, and equipment. Frequently lifts and moves heavier items with the assistance of other workers or with lifting devices such as jacks, hoists, and cranes. May be required to work from ladders or work platforms at varying heights.

MINIMUM QUALIFICATIONS

TRAINING: High School diploma or equivalent.

EXPERIENCE: Three years of full-time or equivalent part-time paid experience in service/mechanical work on automobiles or motor driven equipment.

Of the three years you must have a minimum of 12 months experience: Preventive maintenance, troubleshooting and repair in one or more of the following areas: Mechanics, Electrical, HVAC and Refrigeration. Prior CROWS experience. Must have the ability to read and interpret technical manuals, maintenance directives and original manufacturer publications.

The ability to instruct and speak in a large group is desired.

SUBSTITUTION: Successful completion of an approved vocational school program in automotive mechanics, diesel equipment technology, electrical technician, or HVAC technician of at least 1080 clock hours may be substituted for one year of the required experience.

SPECIAL REQUIREMENT:

- Position is contingent upon continued receipt of Department of Defense funding.
- This position falls under the West Virginia Consolidated Public Retirement System.
- Position requires a secret security clearance. Must be able to obtain and maintain security clearance.
- Consideration will be given to all qualified applicants without regard to race, color, religion, sex, national origin, politics, age, membership or non- membership in an employee organization.
- A valid driver's license is required.

Murray "Gene" Holt II, Director
West Virginia Military Authority