

Washington
STATE FAIR
EVENT CENTER

MECHANICAL SYSTEMS, FABRICATION & FLEET TECHNICIAN

The Washington State Fair Event Center (WSFEC) is hiring a Mechanical Systems, Fabrication & Fleet Technician to be responsible for the inspection, diagnostics, preventive maintenance, repair, fabrication, machining, welding, and overhaul of fleet vehicles, heavy equipment, trailers, facilities infrastructure, and specialized operational systems. This position supports operational reliability through advanced troubleshooting, custom fabrication, equipment lifecycle management, and proactive maintenance strategies.

The role requires extensive technical expertise in diesel and gasoline engines, hydraulic and pneumatic systems, electrical diagnostics, welding and metal fabrication, machining, fleet maintenance operations, and industrial safety compliance. The technician performs both scheduled and emergency repairs while supporting operational continuity, facility maintenance, and cross-functional infrastructure projects.

ESSENTIAL JOB DUTIES

- Perform advanced diagnostics, preventive maintenance (PM), inspections, repairs, and overhauls on gasoline, diesel, propane, and electrically powered vehicles and equipment.
- Troubleshoot and repair mechanical, hydraulic, pneumatic, charging, ignition, electrical, braking, suspension, steering, and drivetrain systems.
- Utilize computerized diagnostic equipment, scan tools, battery analyzers, multimeters, pressure testing equipment, and OEM diagnostic systems.
- Rebuild engines, transmissions, clutches, brake systems, suspension systems, and related mechanical components.
- Develop and maintain preventive maintenance schedules and lubrication programs for fleet and operational equipment.
- Conduct equipment inspections and operational safety evaluations to minimize downtime and ensure reliability.
- Maintain accurate maintenance records, repair logs, inspection documentation, and inventory tracking systems.
- Research, source, and coordinate procurement of repair parts, replacement components, and maintenance supplies.
- Perform MIG, TIG, Stick, oxy-acetylene, and plasma cutting operations on steel, stainless steel, aluminum, and structural materials.
- Design, fabricate, modify, and repair trailers, structural components, custom equipment, vehicle assemblies, and operational support systems.
- Operate machining and fabrication equipment including lathes, mills, grinders, presses, torches, plasma cutters, and precision measuring tools.
- Read and interpret blueprints, schematics, fabrication drawings, specifications, and technical manuals.
- Fabricate replacement parts and improve equipment functionality through custom modifications and structural reinforcement.
- Perform body repair, structural welding, metal finishing, surface preparation, and automotive refinishing as required.
- Support maintenance and repair activities involving facilities infrastructure, mechanical systems, utility systems, and operational support equipment.
- Collaborate with electrical, plumbing, carpentry, landscaping, construction, and operations personnel on maintenance and improvement projects.
- Respond to emergency repair situations and operational service calls during peak activity periods.

- Assist with setup, teardown, infrastructure support, and operational readiness for seasonal and event-related activities.
- Maintain compliance with OSHA, DOT, EPA, LOTO (Lockout/Tagout), confined space, hot work, respiratory protection, and hazard communication standards.
- Maintain clean, organized, and safety-focused work areas, shops, and equipment storage locations.
- Safely operate tools, heavy equipment, lifting devices, and shop machinery in accordance with manufacturer guidelines and safety regulations.
- Participate in safety meetings, technical training, and continuing education programs.
- Additional Responsibilities
- Assist with inventory management and stocking of frequently used maintenance materials, welding supplies, lubricants, filters, and repair components.
- Support continuous improvement initiatives focused on equipment reliability, operational efficiency, cost reduction, and workplace safety.
- Provide technical guidance and mentorship to maintenance staff or apprentices as assigned.
- Perform other duties as assigned in support of organizational operations.

IDEAL QUALIFICATIONS

- High school diploma or equivalent required.
- Completion of a recognized trade school, apprenticeship program, vocational training, or equivalent technical education preferred.
- Equivalent of five (5) years of progressively responsible experience in fleet maintenance, heavy equipment repair, industrial maintenance, welding, fabrication, machining, or related skilled trades environment.
- Experience with diesel systems, hydraulic systems, fabrication equipment, and heavy mechanical repair strongly preferred.
- Preferred Licenses/Certifications: ASE Master Technician Certification, AWS Welding Certification, CDL License, OSHA 10 or OSHA 30 Certification, Forklift Certification, Hydraulic Systems Certification
- Ability to work effectively both independently and as part of a team.
- Strong work ethic, reliability, and attention to detail.
- Good communication skills and a positive, cooperative attitude.
- Ability to work in a fast-paced environment and assist with multiple tasks as needed.
- Ability to perform physical labor, including standing, walking, bending, and lifting.
- Ability to lift and move up to 100 pounds with assistance or equipment.
- Ability to work indoors and outdoors in varying weather conditions.

COMPENSATION & BENEFITS

The pay range for this position is \$30.00 to \$38.00/hourly based on an assessment of knowledge, skills and experience of the candidate offered. Employees are offered healthcare coverage options which include medical, dental, vision, long term disability insurance and are able to enroll in the WSFEC's 403(b) plan. Employees accrue ten vacation days and eight sick leave days a year which can be used once accrued. Additionally, employees enjoy fourteen paid holidays throughout the calendar year.

HOW TO APPLY

Please email cover letter and resume to jillianc@thefair.com. Job posting will remain open until the position is filled.