



Title: Maintenance Technician

Reports to: Maintenance and Engineering Manager

Purpose of Role:

To support microalgal biomass production by performing duties required to install, troubleshoot, repair and maintain production and facility equipment according to safety, quality, predictive and productive maintenance systems and processes.

Role and Responsibilities:

- Ensures operation of machinery and mechanical equipment by completing preventive maintenance requirements on engines, motors, pneumatic tools, conveyor systems, and production machines; following diagrams, sketches, operations manuals, manufacturer's instructions, and engineering specifications; troubleshooting malfunctions.
- Diagnose problems, replace or repair parts, test and make adjustments.
- Perform highly diversified duties to install and maintain production machines and the plant and farm facility's equipment.
- Provide emergency/unscheduled repairs of production equipment during production and performs scheduled maintenance repairs of production equipment during machine service.
- Perform mechanic skills including, but not limited to, mechanical, electrical, pneumatic, hydraulic, troubleshooting and repair of production machines.
- Locate sources of problems by observing mechanical devices in operation; listening for problems; using precision measuring and testing instruments.
- Remove defective parts by dismantling devices; using hoists, cranes, and hand and power tools; examining form and texture of parts.
- Read and interpret equipment manuals and work orders to perform required maintenance and service.
- Determine changes in dimensional requirements of material by inspecting used parts; using rules, calipers, micrometers, and other measuring instruments.
- Control downtime by informing production workers of routine preventive maintenance techniques; monitoring compliance.
- Fabricate repair parts by using machine shop instrumentation and equipment.
- Maintain equipment, parts, and supplies inventories by checking stock to determine inventory level; anticipating needed equipment, parts, and supplies; placing and expediting orders; verifying receipt.
- Conserve maintenance resources by using equipment and supplies as needed to accomplish job results.
- Prepare mechanical maintenance reports by collecting, analyzing, and summarizing information and trends.
- Maintain continuity among work teams by documenting and communicating actions, irregularities, and continuing needs.
- Maintain safe and clean working environment by complying with all written procedures, rules, and regulations.
- Maintain pumps, paddlewheels and equipment associated with algae culture systems.
- Maintain vehicles, side-by-sides, and heavy equipment including but not limited to regular filter inspections, oil changes, and cleaning of interior and exterior.
- Perform simple machinist duties and responsibilities.



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- Document safety near misses and participate in determining causes and remedies; document safety variances from policies and procedures
 - Work within a team in order to achieve team and company goals and milestones
 - Regular, reliable, and punctual attendance as scheduled, including weekends when required
 - Other tasks as assigned

Experience and Qualifications:

- High school diploma/GED required; completion of a craft apprenticeship, or an equivalent number of years of education and production maintenance experience preferred
- A degree in mechanical, electrical, or industrial maintenance a plus
- 4+ years of manufacturing experience; strong hydraulic, pneumatic, mechanical and industrial skills with some PLC experience a plus
- Be legally eligible to work in the United States and possess a US driver's license in good standing. Must pass a drug screen and background check
- Willing to work flexible hour and shifts, able to work weekends, when required
- Willingness to work outside in weather extremes and physically demanding conditions
- Must be highly motivated and able to work independently
- Knowledge and commitment to safe working practices
- Must be able to lift and move objects up to 50 pounds consistently with heavier weight necessary at times.
- Good communication skills, ability to work in a team environment
- Ability to follow SOPs, and make recommendations for changes when necessary; experience developing SOPs a plus
- Strong critical thinking and problem solving skills
- Strong multitasking, sound judgment, and decision making skills to ensure quality of work meets expected standards, especially under tight timelines
- Comfortable with ambiguity and complexity; deliver results in first-time situations through personal drive and collaborative interactions