

Manufacturing Maintenance Solutions

## Reliability Engineer

### Summary:

Enhances the effectiveness of our industrial maintenance organization through developing and implementing various Asset Management strategies and technologies designed to achieve maximum asset performance.

### Principal Duties / Responsibilities:

- Promotes and adheres to MMS culture.
- Identifies top potential issues leading to lost production and preventable maintenance spending. Communicates findings with leadership.
- Provides solutions to root cause deficiencies and demonstrates economic benefits to their correction.
- Actively drives the implementation of equipment improvement projects.
- Identifies and implements current and new processes / technologies to increase equipment performance and uptime
- Champions systems and best practice procedures towards a proactive manufacturing culture.
- Analyzes equipment performance, failure data, and corrective maintenance history to develop and deploy engineering solutions, improved maintenance strategies, preventative maintenance optimization, and other reliability techniques.
- Provides technical service to operations and manufacturing personnel on equipment related troubleshooting efforts.
- Utilizes predictive, preventative, and precision maintenance technologies and strategies designed to identify or control risks prior to failure and ensure optimum maintenance execution.
- Collaborates with the maintenance team to prioritize assets and actions by determining failure probabilities and evaluating the risk of compliance, supply, strategy, and cost.
- Provides training and coaching in Root Cause and Reliability Analysis and takes ownership for ongoing corrective action tracking, implementation and follow up to ensure that all Root Cause Analysis projects are documented.
- Ensures compliance with regulatory requirements and MMS policies and procedures.

### Physical Demands and Working Conditions:

While performing the duties of this job, the employee is regularly required to stand walk use hands to finger, handle, or feel reach with hands and arms climb or balance stoop, kneel, crouch, or crawl and talk or hear. The employee is occasionally required to sit. The employee must occasionally lift and/or move more than 50 pounds. The employee is regularly required to use close vision and color vision. The employee is occasionally exposed to outside weather conditions and risk of electrical shock. Work is typically performed in a factory environment and is usually very loud. In the factory environment, the employee may be exposed to hazardous materials and/or greasy or slippery factory floors.

### Qualifications/Essential Skills:

- Minimum of three years of reliability experience
- Demonstrates ability to perform full array of reliability tool sets
- Strong technical understanding of electrical or mechanical components, tools, and designs

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- Ability to complete a failure mode effects analysis, cause and effect diagrams, root cause failure analysis, life-cycle costing, and risk analysis
- Ability to research and apply new equipment technology / trends
- Robust problem solving, mathematical, analytical, and decision-making skills
- Proficiency with computers, maintenance systems, and applications, including Microsoft Office
- Excellent verbal communication, facilitation, and presentation skills
- Strong reporting and technical writing capability
- Ability to build and maintain positive, professional relationships
- Bachelor's degree in engineering - preferred

### **Desirable skills:**

- Desire to develop into a leadership role
- Experience with data trend analysis, vibration analysis, motor current analysis, oil analysis, lubrication and hydraulic testing, laser alignment, nondestructive testing, infrared thermography, ultrasound technology, acoustic reliability technology, Weibull analysis, and Six Sigma or Lean Manufacturing methodologies
- Knowledge of various government regulations such as, National Electrical Testing Association (NETA), Environmental Protection Agency (EPA), and Occupational Safety and Health Administration (OSHA)
- CMRP certification
- Green Belt certification

### **Compensation/Hours:**

- This position is an exempt position and hours will flex as business requires
- Starting salary up to \$79,000 per year. Starting wage offer will be based on candidate's experience, knowledge, skills and abilities

### **Benefit Summary:**

- Employee Stock Ownership Plan (ESOP)
- Two Weeks Paid Vacation (accrual begins after 30 days of employment)
- Ten Paid Holidays
- Medical/Dental/Vision/Life/Disability Insurance
- 401K