



City of Kansas City, Missouri Job Class Specification

Job Title: INDUSTRIAL MAINTENANCE TECHNICIAN **Department:** MULTI
Job Code: 5202 **Status:** NONEXEMPT **Grade:** L-8

Summary

The Industrial Maintenance Technician is responsible for the advanced maintenance, repair, and troubleshooting of heavy machinery, mechanical, electrical, HVAC, and specialized industrial systems. This role demands a high level of technical expertise and experience in diagnosing and repairing complex machinery, including boilers, motors, air compressors, pumps, and other large-scale industrial equipment. Ensures the optimal performance, safety, and reliability of machinery and systems, minimizing downtime and contributing to the efficient operation of industrial facilities. The position requires working with sophisticated diagnostic tools and troubleshooting critical systems in industrial environments.

Duties and Responsibilities

- Perform advanced maintenance, troubleshooting, and repair of heavy industrial machinery, including but not limited to large motors, boilers, air compressors, pumps, and hydraulics.
- Work with high-pressure systems, ensuring compliance with safety protocols while conducting routine maintenance or repairs on boilers and steam systems.
- Troubleshoot and repair electrical systems, including high-voltage motors, power distribution panels, and control systems.
- Disassemble, inspect, and repair complex mechanical systems and machinery components.
- Replace and repair complex parts, such as bearings, seals, gaskets, and gears, ensuring that components meet industry standards.
- Analyze mechanical failures and operational inefficiencies to determine root causes and implement corrective actions to avoid future breakdowns.
- Troubleshoot and repair pneumatic, hydraulic, and other mechanical systems as needed.
- Lead and conduct preventative maintenance programs for critical systems, such as HVAC, air compressors, and industrial boilers, to ensure long-term reliability and efficiency.
- Coordinate with the team to implement a schedule for regular inspections, lubrication, adjustments, and part replacements.
- Ensure compliance with all safety regulations and codes, especially when working with high-pressure systems, heavy machinery, or electrical systems.
- Respond to emergency situations by performing rapid assessments and providing immediate repairs to restore equipment functionality.
- Maintain accurate records of all maintenance work performed, including parts used, repair details, and equipment status.
- Collaborate with engineers, supervisors, and other maintenance personnel to address system issues and improve operational efficiency.
- Provide guidance to less experienced workers and trainees on equipment repair procedures and safety protocols.
- May assist in the training of new staff on maintenance procedures, equipment handling, and troubleshooting techniques.
- Performs related duties as required.

Technical Skills

- Solid knowledge of mechanical systems, including pumps, motors, and boilers, and the ability to perform repairs and maintenance on these systems.
- Proficient in troubleshooting and repairing electrical components, such as wiring, switches, and motors.
- Familiar with HVAC systems, including air handlers, valves, and other components.

Education and Experience

- Four (4) years of experience in industrial maintenance, with hands-on experience in troubleshooting and maintaining complex systems such as HVAC, plumbing, electrical, and mechanical systems (e.g., motors, pumps, conveyors, compressors). As well as proven experience with maintaining and repairing mechanical and electrical systems commonly found in industrial environments.
- Additional technical education or certifications (e.g., HVAC certification, electrical license, or mechanical systems training) may substitute for experience

**Certificates/
Licenses/Special
Requirements**

- Must possess a valid State –issued driver’s license in accordance with the City of KCMO policies.
- Must pass a physical examination as prescribed by the City.
- Will be required to pass a preemployment drug screen.
- Must pass a background check as prescribed by the City.
- May be required to possess additional certifications depending on the specific job assignments.

**Supervisory
Responsibility**

May act as a lead worker.

Work is performed under general supervision.

**Supervision
Received**

Note: This job description should not be construed to imply that these requirements are the exclusive standards of the position. Incumbents will follow any other instructions, and perform any other related duties, as may be required. Reasonable accommodation will be provided to qualified individuals with disabilities. The City of Kansas City has the right to revise this job description at any time. The job description is not to be construed as a contract f o r employment.

Created

12/2024

Revised

1/2025