



<b>Job Title:</b>	<b>Senior Mechanical Engineer</b>		
		<b>Job Type:</b>	Regular, Full-Time
<b>EEO Job Class:</b>	Professional	<b>FLSA Status:</b>	Salary, Exempt
<b>Department:</b>	Engineering & Maintenance	<b>Pay Grade</b>	
<b>Reports to:</b>	Engineering & Maintenance Manager		
<b>Indirect Reports:</b>	Junior Mechanical Engineer, Mechanical Engineer(s) I/II, Maintenance Technicians		

### **JOB SUMMARY / OVERVIEW**

The Senior Mechanical Engineer will provide technical knowledge and support with respect to the planning, maintenance, troubleshooting, project, and installation work on all plant mechanical systems. This includes the development and implementation of comprehensive Reliability Centered Maintenance strategy through actions that support achievement of plant goals, objectives, and key performance metrics. The Senior Mechanical Engineer will act as a SME (Subject Matter Expert) in performing technical evaluations of mechanical, quality assurance and quality control on equipment repairs and jobs performed by Contractors and Technicians.

This role is a mentorship/leadership position that supports an overall team effort to develop and implement a policy and plan which may include budgets; Health, Safety, Security & Environmental matters; Organizational & Cultural development of the Engineering Department; as well as other aspects of the company's business. This role is a mentorship/leadership position that supports an overall team effort to develop and implement a policy and plan which may include budgets; Health, Safety, Security & Environmental matters; Organizational & Cultural development of the Engineering Department; as well as other aspects of the company's business.

### **ESSENTIAL JOB FUNCTIONS**

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions and competencies.

- Participates and engages peers in organizational HSE initiatives while seeking to consistently improve HSE in the workplace
- Develop and implement maintenance engineering activities to ensure the reliability and availability of static and rotating equipment.
- Coordinates and ensures capital and operational projects are conducted safely, within budget, established timeframes, required quality and in accordance with procurement policies and procedures
- Participates in and at times lead pre-commissioning and commissioning activities that includes witnessing equipment installation.



- Lead the discussion concerning engineering solutions to routine plant maintenance problems.
- Troubleshoots equipment related/efficiency problems.
- Review reports produced by engineers and support them in completion of activities and troubleshooting.
- Develop and mentor Engineers.
- Reviews plant equipment operating parameters and initiate technical discussions with operations as related to optimal operability.
- Leads plant trip assessment teams for determination of root cause and providing recommendations.
- Ensures that equipment history records are updated in terms of equipment downtime, cause codes, priority codes, man hours, materials utilized, and costs incurred.
- Review and recommend/implement changes to the annual review of the planned maintenance programs and equipment audits to influence programs for the following year.
- Implements approved reliability and plant improvement projects within budget and schedule.
- Act as subject matter expert to provide input for the development and implementation of programs regarding equipment long term planning such as end of life and repair or replace decisions for plant equipment and assets.
- Identifies plant threats by execution of Condition Monitoring programs and analysis of trends.
- Generate reliability reports based on completed inspections.
- Troubleshoots and performs diagnostic inspections on plant equipment.
- Supports turnaround jobs in accordance with the safety, quality, schedule, and budget.
- Responsible for QA/QC of off-site repairs and rebuilds.
- Present a professional image at all times to clients and vendors and maintain a positive reputation of the company.
- Follow all relevant company policies and procedures.
- Perform other tasks as assigned.

## **QUALIFICATIONS**

### **LICENSES, CERTIFICATIONS, AND/OR REGISTRATIONS**

- API 510, API 570, API 653, API 580, CMRP, CRE, CRL certifications preferred

### **EDUCATION, EXPERIENCE, AND/OR TRAINING**

- Bachelor's Degree in Mechanical Engineering required.
- Minimum of seven (7) years' experience in a process plant environment required.
- Extensive working knowledge of Static and Rotating Equipment, maintenance and reliability engineering required.
- Knowledge of Hazard and Operability Studies (HAZOPS) preferred.
- Knowledge of Process Safety Management (PSM) requirements preferred.
- Knowledge of Project Management preferred.
- Experience leading teams preferred.



## SPECIAL REQUIREMENTS

### TOOLS / EQUIPMENT

- Computer
- Copy Machine
- Scanner
- Telephone system

### SOFTWARE

- Proficiency in Microsoft Office, including Excel, Word, and Outlook required.
- Microsoft Project and either SAP or Maximo working experience preferred.

### PHYSICAL

- Ability to lift 20 lbs. occasionally.
- Ability to sit for prolonged amounts of time required.
- Ability to effectively communicate through various means required.

### ENVIRONMENTAL

- Some work is performed within an office environment, including office equipment – such as computers, telephones, and copiers.
- Requires consistent field work at times in extreme weather conditions.
- Noise levels are typically moderate but may be at elevated levels when conducting field activities.

### WORK SCHEDULE

- Regular 40-hour work week, normal duty hours as assigned.
- Occasional evening and weekend work may be required as job duties demand.
- May work longer hours to meet deadlines as necessary or to support facility emergencies.

### TRAVEL

- Less than 10% of the time.

## DISCLAIMER

This is not necessarily an exhaustive list of all responsibilities, skill, tasks, requirements, efforts, or working conditions associate with the job. While this is intended to be an accurate reflection of the current job, Proman USA reserves the right to revise or change job duties and responsibilities as business needs arise. In compliance of ADA regulations, the employee must be able to perform essential functions with or without reasonable accommodation in a satisfactory manner, further accommodations shall not be made if it constitutes an undue hardship on this organization.



**Signatures**

This job description has been approved by all levels of management:

Manager\_\_\_\_\_

HR\_\_\_\_\_

Employee signature below constitutes employee's understanding of the requirements, essential functions and duties of the position.

Employee\_\_\_\_\_ Date\_\_\_\_\_