

Mechanical Reliability Engineer

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Company: PTS Advance

Location: San Antonio

Category: other-general

Our client is a midstream oil and gas pipeline company and has a fantastic opportunity for a Mechanical Reliability Engineer in the San Antonio, Texas area. This position will involve travel to other site locations and include time spent working away.

The Mechanical Reliability Engineer will be responsible for continuously improving our reliability program for the assigned assets that consists of preventive and predictive programs for each of the regional operating areas assigned (Central Texas and Permian Basin). Other responsibilities include, but are not limited to:

- Review equipment repair scopes, document down time, lost production, mean time between repairs and develop root cause failure analysis in order to review and revamp existing preventive and predictive programs.

- Automate / develop reliability reports to benchmark existing equipment performance.

- Monitor and calculate gas engine/turbine and compressor efficiencies.

- Implement case studies as needed to improve performance on gas engines/turbines, compressors and pumps.

- Aids to Identify and assist area operations that occur during production applications and systems related directly to machinery performance.

- Monitor condition of key pumps, compressors, gas engines/turbines, and motors in order

to develop and maintain major overhaul plans for operating regions.

Troubleshoot equipment issues using SKF vibration data analytics, Seeq, OSI PI, combustion gas analysis.

Witness critical equipment performance tests at OEM facilities.

Support field and capital engineering groups in reviewing equipment specifications and equipment selection, monitoring installation and successful start-up.

Build trust and confidence with other Company support services and area Operations management team.

Qualifications

The successful candidate will meet the following qualifications:

B.S. in Mechanical Engineering is required.

A minimum of 10 to 15 years' mechanical/process engineering experience in gas and liquid pipeline, gas cryogenic plant, petrochemical or refinery is required.

Must have a broad understanding of rotating equipment as it relates to a plant and gas pipeline environment.

Specific experience in pumps, gear boxes, centrifugal and reciprocating engines and compressors, gas engines/turbines, compressor surge controls, PLC programs, gas turbines controls, vibration protection, emissions monitoring for reciprocating engines and gas turbines, etc.

Experience in process machinery equipment vibration analysis is required.

Basic understanding of preventive and predictive maintenance concepts as it applies to reciprocating engines and compressors, gas turbines and other plant equipment.

Proficient on personal computers, in particular, word processing and spreadsheets, database programs, data acquisition systems, OSI PI/SEEQ, PLC programs, understand gas engine/turbine controls, centrifugal compressor surge controls.

Strong hands-on knowledge in performance monitoring, troubleshooting and repair of reciprocating engines and compressors.

Must be self-motivated and work as team member; and mentor and share working knowledge with others.

Lead reliability meetings for assigned locations and provide oversight and direction of reliability initiatives.

Strong interpersonal and communication skills.

Good technical writing ability and able to adapt and learn new methods in performing the job function.

Ability and willingness to travel daily with some overnight/weekend stays is required.

On offer will be a competitive base salary and comprehensive package and benefits.

Relocation assistance will also be provided for the right candidate.

Candidates must be authorized to work in the US without the need for visa sponsorship.

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