

Reliability Engineer – Calgary, AB

Major Responsibilities:

- Using analytical and predictive tools anticipate and prevent equipment reliability problems.
- Identify chronic problems and improvement opportunities.
- Undertake routine performance analysis and reporting of critical rotating equipment health.
- Ensure compliance with local Boilers and Pressure Vessel Authority as required.
- Develop and review PM/PdM work items.
- Sponsor and lead Root Cause equipment failure analysis investigations.
- Analyze maintenance costs and failure statistics leading to the development of improvement projects for the GWE engineering organization.
- Organize training for operations and maintenance technicians on reliability topics.
- Provide input into the management of change, project life cycle cost analyses and budget processes.
- Assess equipment for life expectancy evaluation and repair quality.
- Play a lead role in developing equipment specifications.
- Review all equipment purchases and installations to ensure that equipment is built to recognized practices.
- Provide technical support, leadership and direction for condition monitoring technologies.
- Review and assess spare parts levels to manage risk.
- Undertake benchmarking studies both internally and externally.

Qualifications & Experience:

- Degree in Mechanical, Chemical, Civil, or Electrical engineering from a recognized university.
- Registered as a Professional Engineer in Alberta (APPEGA).
- 6 to 8 years large industrial facility experience
- Knowledgeable in specific predictive maintenance tools (vibration analysis, thermography and infrared tools and techniques, lubrication, machinery alignment)
- Knowledgeable in pressure vessel, piping codes, heat exchangers, pumps, compressors, and NDT inspection techniques.
- Experience in metallurgical and mechanical failure analysis.
- Experience in the use of RCFA tools such as Tap Root, Cause Mapping and Ishikawa Charts
- Knowledge of MS Office and Maximo
- Experience in internal consulting and presentations.
- SMRP Certificate.
- Vibration Institute or CMVA Level 1 or Bently Nevada Machinery Diagnostics
- Ability to travel