

Analysa Rious

Rotating Equipment Engineer

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📍 1234 Polar Bear Lane, Anchorage, AK 99501

EDUCATION

Bachelor of Science in Mechanical Engineering at University of Alaska Anchorage, AK

Aug 2016 - May 2021

Relevant Coursework:

Thermodynamics, Fluid Mechanics, Heat Transfer, Mechanics of Materials, Machine Design, Vibrations, Control Systems, Materials Science, Manufacturing Processes, and Mechanical Engineering Capstone Design.

LINKS

[linkedin.com/in/analysarious](https://www.linkedin.com/in/analysarious)

SKILLS

Vibration Analysis

Thermodynamics

Fluid Mechanics

Finite Element Analysis

Laser Alignment

Condition Monitoring

Reliability Engineering

LANGUAGES

English

Mandarin

HOBBIES

PROFILE

Dedicated Rotating Equipment Engineer with 2 years of experience in the design, maintenance, and optimization of various industrial machinery. Proficient in using advanced diagnostic tools and software to maximize equipment efficiency and reliability. Strong analytical and problem-solving skills with a proven track record in improving performance and reducing downtime. Adept at working in cross-functional teams and committed to continuous professional development.

EMPLOYMENT HISTORY

● Rotating Equipment Engineer at Arctic Slope Regional Corporation (ASRC), AK

Apr 2023 - Present

- Successfully reduced equipment downtime by 25% through the development and implementation of a comprehensive preventive maintenance program for critical rotating equipment across ASRC facilities in Alaska.
- Led a team of 8 engineers in the design and installation of a new high-pressure gas compression system, resulting in a 15% increase in overall production efficiency and a 10% reduction in energy consumption.
- Conducted thorough root-cause analysis for recurring equipment failures, identifying key areas for improvement and implementing corrective actions that led to a 20% decrease in unplanned maintenance activities and associated costs.
- Spearheaded the standardization of rotating equipment specifications and procurement processes across ASRC, leading to a 30% reduction in equipment lead time and a 5% cost savings on equipment purchases.

● Junior Rotating Equipment Engineer at BP Alaska, AK

Sep 2021 - Mar 2023

- Successfully designed and implemented a comprehensive preventive maintenance program for rotating equipment, resulting in a 25% reduction in unplanned downtime and saving the company \$600,000 annually.
- Optimized the performance of critical rotating equipment, including pumps, compressors, and turbines, which led to a 15% increase in overall plant efficiency and reduced energy consumption by 10%, saving BP Alaska \$1.2 million per year.
- Led a cross-functional team to troubleshoot and resolve a recurring issue with a high-pressure compressor, reducing the failure rate by 75% and avoiding potential losses of up to \$3 million in production downtime.

CERTIFICATES

Vibration Analyst Certification (ISO 18436-2)

Sep 2021

Machinery Lubrication Technician (MLT) or Machinery Lubricant Analyst (MLA) certification