



DINESH KUMAR.J
Condition Monitoring Engineer

Contact me

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OBJECTIVE:

My career aspirations are to find a stimulating and challenging position, where I get a chance to utilize my engineering knowledge, leadership experience and skills for Company benefit that will also help me to improve my career.

WORK EXPERIENCE:

Info-Marine Middle East FZC – UAE / Period: “Junior Reliability Consultant Engineer” – Dec 2024 to till now

Job Responsibilities:

- Preparation of reports in the first stage for analysis.
- Participation in internal trainings and improve wise the quality of database uploaded and correct it.
- Received measurements and working parameters data through software crosschecked with previous report and uploading the company server.
- Conducting training for clients and Maintenance of data bases (measurement data, technical data, etc.)
- Additional functions according to specification (thermography reports, sending reminder, reports, feedback reports from crew reminders).
- Adding reports to the schedule and responding to emails from the crew.

Ma’aden Phosphate Company (Ma’aden) – Ras-Al Khair Industrial City, Saudi Arabia

Through: Al-Najim Saudi International Co. Ltd / Period: “CM Engineer” - Jan 2022 to Dec 2023

Job Responsibilities:

- Develop the process and procedure for the condition monitoring programs to be the comprehensive guide for the plants.
- Carry out the vibration analysis on rotating equipment (i.e., Pumps, Compressor, turbine, dryer, miller, Elevator, blower, conveyer etc.)
- Experience in the use of Vibration monitoring systems using diagnostic software.
- Generate survey report on routine basis and oversee corrective/ preventive maintenance activities as required.
- Coordinate data collection and program evaluation and develop additional condition monitoring programs such as thermography, oil analysis, lubrication and greasing programs etc..
- Collecting vibration survey for all compressors on-line/ off line vibration inspection along with oil sample collections, based on the criticality thermography survey also can conducted.
- Reviews Thermodynamic performance for the critical machines using Online (System-1) and issues report.
- Performing run up and coast down tests to analyze the transient events.
- Performing bump test to identifying the natural frequencies of the electrical motors to eliminate the resonance issue.
- Carry out equipment performance analysis and check for equipment deterioration and their causes and recommend the solutions.
- Machinery fault diagnosis using vibration analysis and keeps a track of equipment under Alert list for assigned plant area and Establishes proper storage of the equipment report and data.

Saudi Arabian Fertilizer Company (SAFCO) - Al-Jubail Industrial City, Saudi Arabia

Through: Al-Najim Saudi International Co. Ltd / Period: “CM Rotating Analyst” - Jan 2015 to Oct 2021.

Job Responsibilities:

- Maintenance of plant rotary equipment such as Pumps, Fin fan cooler, Blowers, ID/FD Fans, Steam Turbine, Compressor, Expander etc.
- Planning and monitoring major job like overhauling of equipment’s (like Steam turbine & Compressors) it breaks down and shut down corrective maintenance job with plant maintenance group.
- Responsible for the day-to-day plant Condition monitoring activities throughout the plant as per the program and report accordingly standard *ISO -10816*.
- Responsible for the detail analysis of Vibration data using the software like *SKF Aptitude analyst*, *Bently Nevada Data manager & system 1*.
- Coordinating and participating in the preventive, corrective and troubleshooting maintenance activities performed in the rotating Equipment’s of the plant as well as providing technical support.
- Carried out LLF Survey, Preparation & submission of Reports accordingly & Carried out Bearing & Lube oil inspections.

- Periodically raising request to operation to offer the rotating assets which is not in service for long term to inspect monitor vibration and asset performance.
- Interact with maintenance and operation to know the technical details and asset behavior which will be useful for diagnosis and conveying them about asset health conditions to them to ensure the component availabilities and to schedule the maintenance based on operation process issues.
- Conduct monthly performance review with Reliability team (AED) & Evaluate performance of Machines.
- Achieving the Online & offline Vibration data & retrieve it when required by the OEM and On-site equipment abnormality diagnostics like raise of abrupt vibrations and noises.
- Building up machinery data base for condition monitoring, organizing a schedule for monitoring the rotating equipment's in the plants.
- Involved in root cause analysis (RCA) for the rotating equipment and solutions to the equipment reliability problems.

Saudi Kayan Petrochemical Company- *Al-Jubail Industrial City, Saudi Arabia*

Through-Al-Najim Saudi International Co. Ltd / Period: "CM Analyst" -Feb 2014 to Dec 2014.

Job Responsibilities:

- Routine vibration data collection for all compressors carried out as per SAP schedule.
- Collecting the vibration data of rotating equipment's along with effective LLF.
- Carry out vibration survey for several kinds of rotating assets like motors, pumps, fans compressors, agitators, impact crushes, Conveyors etc., in different areas like LDPE /HDPE & PP & Power and Utility plants.
- Asses the asset health condition generating the vibration analysis report based on their criticality.
- Communicating with department Lead engineer & Operation about the asset health behavior and ensure the asset availability requirement for operation and parts availability for maintenance to schedule maintenance works.
- All compressors and pumps oil samples collecting with help of operation team, labeling & tagging it to submit analysis lab department.
- Performing run up and coast down tests to analyze the transient events for all major rotating equipment.
- Performing Bump tests to identifying the natural frequencies of the rotating unit's structures to eliminate the resonance issue.
- On-site equipment abnormality diagnostics like raise of abrupt vibrations and noises.

Cristal Global Chemical Industry- *Yanbu Industrial City, Saudi Arabia*

Through-Al-Najim Saudi International Co. Ltd / Period: "Vibration Analyst" - June 2012 to Dec 2012.

Job Responsibilities:

- Routine vibration data collection was carried out as per the schedule.
- Based on the plant criticality and requirement from reliability advice vibration collection for critical equipment's were monthly twice and semi critical equipment's were monthly once collected and reported accordingly.
- Severity of machines healthiness immediately highlighted to reliability engineer to take actions and keep follow up until issues is cleared.
- The criticality machines data exported to a designated SKF engineer and communicating with all the furnished details.
- Communicating with Maintenance & Operation about the asset health behavior and ensure the asset availability requirement for operation and parts availability for maintenance to schedule maintenance works.
- Supporting operation and maintenance in 24 x 7 basis during start-ups and emergency call outs.

Sahara Petrochemicals – *Al-Jubail Industrial City, Saudi Arabia*

Through-Al-Najim Saudi International Co. Ltd / Period: "CM Lead Technician" - Jan 2013 to Jan 2014.

Job Responsibilities:

- Routine vibration data collection for all plants like HDPE /LDPE & PP, on the basis of CM work order schedule.
- Monitored the Online vibration measurement for selected equipment's such as Extruder, compressors, blowers and Turbines.
- Check Compressors lubricant level daily to ensure the health condition and wipe off old lubricant and reapply a fresh coat as per the OEM advice.
- Daily routine job activities and update properly communicated with SKF engineer as well as exported daily routine covered data base also.
- Generating preliminary analysis report with appropriate recommendation for rotating equipment.
- Supporting the plant in 24x7 basis and appearing for call outs and troubleshoot the abnormally vibrating equipment's with VA diagnostic tool.

Vibcons Service Private Ltd. – Chennai, India.

Period: “Vibration Analyst Engineer”- Sept 2009 – October 2011.

Job Responsibilities:

- Worked as Service Engineer, Frequent travel to several cements plant and other variable industries in India for annual contract basis.
- Call out basis to carry out jobs like Balancing for different kind of rotors.
- Working knowledge in Vibration Data collectors such as Baseline Vibration Analyzer kits “model 6050 & 5050”
- Vibration data collection of rotating equipment’s, doing spectrum analysis and providing reports accordingly.
- Carry out Acceptance Tests and commissioning for new rotating equipment’s in accordance to international standards (VDI-2056 & ISO-2372...etc.)
- Other Visited Plant in India:
 - ❖ Chettinad cement factory, Ariyalur & Puliyur sites-India & Shah Paper Mill Industry, Gujarat -India.
 - ❖ Cement Corporation of Cement Ltd, Tandur- India. & JK-White & JK Cement, Rajasthan-India.
 - ❖ Hemadri Cement Factory, Vijayawada-India.

Software Exposures & Skills:

- VmLab & Sql converter
- SKF - @ptitude Analyst – CMVA, AX & GX Analyzer.
- ADRE - System 1, Bently Nevada.
- AMS Suite - CSI 2130 & CSI 2140.
- Flir Tools- FLIR E60 & T640 (Thermal Camera)
- Windows and Office Tools –MS Office

Professional qualification:

- Familiar in SAP PM and MM modules SABIC.
- Certified as **ISO 18436-2 Vibration Analyst CAT-II** from **Vibration Institute, USA**.
Certificate number: 1908- 5798A.
- Experienced in Thermography technique with FLIR E60 & T640 Thermal cameras for Mech. & Electrical assets.
- Experienced with System 1 Bently Nevada online monitoring suite for turbo machineries.
- SKF Distributor college training attend:
 - ❖ Bearing Basics & How a ball bearing is made
 - ❖ Seals for rotating motion & Seals for hydraulic cylinders
 - ❖ Lubrication

Academic Credential:

- ❖ **Bachelor in Mechanical Engineer / Regular (2006-2009) / First Class Graduate**
T.J Institute of Technology – Karapakkam - Chennai-600097 - India.

Personal Details:

- Date of Birth: 7th November 1985
- Father’s Name: Jalendran.M
- Nationality: Indian
- Marital Status: Married
- Languages Known: English & Tamil (Fluent)
- Blood Group: ‘O’ Positive

Passport Details:

- Passport Number: T5178277
- Date of Issue: 07/04/2019
- Place of issue: Riyadh
- Date of Expiry: 06/04/2029

Declaration:

I hereby declare that all the details furnished above are true to the best of my knowledge and I assure that I will perform my duties to the best of my ability.

Place: Chennai

Date:

[Dinesh Kumar. J]