

**Position:** Reliability Improvement Engineer – Rotating Equipment [click here for apply!!](#)  
**Location:** Rayong

#### Responsibilities

- Define inspection and test plan (ITP) requirement, test interval and follow up inspection execution for rotating equipment or machinery and make compliance plan.
- Perform condition assessment from result of inspection report, lubrication analysis and define properly action to correct outstanding.
- Validate calibration and testing all precision tooling (Online/Portable condition monitoring equipment, micrometers, Torqueing devices, Laser alignment systems, etc.) which utilized on critical machinery on site
- Utilize preventive and predictive maintenance program to allow early and accurate identification of machinery defect issues.
- Determine and document applicability and frequency of predictive maintenance programs: continuous and/or periodic vibration monitoring system and analysis, lube oil analysis, pressure volume monitoring and analysis of reciprocating compressors, rod position monitoring systems for reciprocating compressors, performance monitoring (machinery performance vs. design).
- Develop specific procedure for testing and maintaining the overspeed trip (OST) system of all turbines.
- Develop specific procedure for inspection and conditions assessments for machinery functioning as Safety or HSE Critical equipment for which performance necessary to achieve the safety function (such as fire pump, etc.)
- Utilize action criteria for monitored data to provide optimal efficiency of data evaluation and response. Define alert and shutdown criteria for continuous and periodic condition monitoring (e.g. vibration, temperature) points. Define alert criteria for lube oil system analysis. Evaluate continuous vibration monitoring system data at least monthly basis.
- Identify operating machinery with a Significant Deficiency to provide proper response, communication and documentation. Define the method for tracking action items related to equipment integrity.
- Established programs for continual machinery reliability improvement. Develop systematically analyze mechanical seals and bearings subject to frequent failures in order to determine root cause of repetitive failures and implement solutions. Participate root cause analysis for reliability incident in role of machinery engineer.
- Established systems in place to ensure the proper access into data management to reference material and shall properly manage machinery recommendations to provide for efficient maintenance and the use of historical maintenance record for optimal planning.

#### Qualifications:

- Bachelor's degree in mechanical Engineering or higher with 2-5 years as maintenance and/or reliability
- Part of service year in petrochemical plant will be valuable recognition.
- Strong knowledge of process area and mechanical rotating equipment or machinery standard.
- Work in Reliability, Operation, Maintenance and Project Management team.
- Personnel involved in condition monitoring and diagnostics of machinery successfully meet the requirements for CATEGORY II Vibration analysis
- Analytical and problem-solving skills is required.
- Ability to communicate in English both written and verbal is essential. TOEIC 550 is required.

All information will be treated as confidential. Only short-listed candidates will be contacted for further interview

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