Imran Qureshi

MECHANICAL MAINTENANCE ENGINEER

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PROFILE

Mechanical Maintenance Engineer with 7 years in maintenance of rotating equipment in petrochemical plants. At Jubail Petrochem Services, raised work orders and spare parts requests in SAP PM and kept the maintenance backlog under 3 weeks, and led root cause analysis of repeated pump seal failures and reduced breakdowns by 30% within 12 months. Holds a B.Sc. in Mechanical Engineering from King Fahd University of Petroleum and Minerals, plus Saudi Council of Engineers (SCE) membership.

PROFESSIONAL EXPERIENCE

Mechanical Maintenance Engineer

2021 – Present

Jubail Petrochem Services | Jubail

- Raised work orders and spare parts requests in SAP PM and kept the maintenance backlog under 3 weeks for the two process units.
- Led root cause analysis of repeated pump seal failures and reduced breakdowns by 30% within 12 months after a change to the flush plan and spare seal stock.
- Planned preventive and corrective maintenance for 140 pumps, 12 compressors and 4 steam turbines across two process units, and issued the weekly schedules in SAP PM.
- Supervised a team of 8 technicians during 2 planned shutdowns with zero lost-time incidents, including permit-to-work control for hot work and confined space.
- Introduced monthly vibration trend reviews with the reliability team, which caught 6 bearing faults before failure and allowed planned replacement.
- Prepared method statements and permit-to-work packages for high-risk maintenance jobs and reviewed them with the area authority before the start of work.
- Aligned new and overhauled pumps with a laser alignment kit and recorded as-left readings in the equipment history.

Mechanical Engineer

2019 – 2021

Eastern Industrial Contractors | Dammam

- Carried out vibration monitoring and laser alignment of rotating equipment at 3 client plants, and raised defect reports when readings exceeded the alarm limits.
- Supported a 28-day plant turnaround by tracking 350 mechanical job cards to completion and reporting daily progress to the client superintendent.
- Prepared weekly maintenance reports for the client maintenance superintendent, covering backlog, pending parts and overdue preventive work.
- Inspected pump and compressor overhauls against OEM tolerances and recorded the results in the job pack before the equipment was released.
- Issued and closed permits to work for mechanical jobs under the client's permit-to-work system, including isolation and toolbox talks.
- Held handover meetings with operations after each major overhaul and updated the as-left vibration and alignment records.

Junior Mechanical Engineer *2018 – 2019*

Eastern Industrial Contractors | Dammam

- Assisted the site mechanical engineer with vibration readings and laser alignment of pumps at two client plants, and filed the as-left records.
- Prepared draft job cards and spare parts requests in SAP PM for review before they were issued to the workshop.
- Supported a planned shutdown by tracking mechanical punch items and updating the daily progress board for the supervisor.
- Inspected incoming spares against the purchase order and recorded shortages before the parts were issued to the job.
- Attended toolbox talks and permit-to-work briefings for mechanical jobs and kept a copy of the signed permits in the job pack.

PROJECTS

- 2023 Unit 2 shutdown, 32 days: planned the mechanical scope of 60 pumps and 4 compressors, including spares, permits and daily progress to the shutdown manager.
- 2 new instrument air compressors in 2022: led installation, alignment and the 72-hour run test, and updated the equipment history in SAP PM.
- Cooling water pump impeller upgrade in 2024 that cut pump energy use by 8%, after a trial on two pumps and a comparison of power readings.

EDUCATION

- B.Sc. Mechanical Engineering, King Fahd University of Petroleum and Minerals, Dhahran, 2018

CORE SKILLS

Rotating Equipment, Preventive Maintenance, SAP PM, Vibration Analysis, Laser Alignment, Shutdown Planning, Root Cause Analysis, Permit to Work, AutoCAD, Spare parts

CERTIFICATIONS

Saudi Council of Engineers (SCE) membership, 2019

LANGUAGES

English (Fluent), Urdu (Native), Arabic (Basic)