

MECHANICAL TECHNICIAN

ROTATING & STATIC EQUIPMENTS

ABISH RAJAN

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current location India

CAREER SUMMARY: Over 8 years working experience as Mechanical maintenance Technician in Oil and gas and Petrochemical Good exposure to Maintenance commissioning and shutdown activities

EDUCATION

Diploma in Mechanical Engineering (D.M.E) **RVS Polytechnic College 86.11** April 2014
Related Coursework: Fluid Mechanics, Thermal Power Plant,

Secondary Level Education, **SDA English High School** March 2011

ACADEMIC PROJECTS AND PUBLICATIONS

Activated Carbon Manufacturing Plant

Produce activated carbon from coir pith with drastic elimination in cost. Activated carbon has an incredibly large surface area per unit volume, and a network of submicroscopic pores where adsorption takes place. Activated carbon is a material that is produced from carbonaceous source materials, such as coal, coconuts, nutshells, peat, wood, and lignite. The primary raw material used for activated carbon is any organic material with a high carbon content. The carbon-based material is converted to activated carbon through physical modification and thermal decomposition in a furnace, under a controlled atmosphere and temperature. The finished product has a large surface area per unit volume and a network of submicroscopic pores where adsorption takes place.

EMPLOYMENT

- **EURO MECHANICAL at ADNOC INDUSTRIAL GASES** (Feb 2023- March 2023)
ROTATING TECHNICIAN
- **DESCON ENGINEERING QATAR LLC at QATAR ENERGY chemical plant** (Jan 2021- Dec2022)
ROTATING TECHNICIAN
- **NANTHINI ENGINEERING CONSTRUCTION** at SPIC Ltd (sept 2018-jan2021)
MECHANICAL TECHNICIAN
- **HEISCO at KNPC site** (April 2018-aug2018)
MECHANICAL TECHNICIAN
- **NANTHINI ENGINEERING CONSTRUCTION** at SPIC Ltd (July2014 to March2018)
MECHANICAL TECHNICIAN

My key skills include,

- Effectively communicate & coordinate with Maintenance Teams.
- Ensure proper monitoring and analysis of equipment in the plants
- Maintain highest safety standards while working in the equipment's.

DETAILS OF JOB PROFILE *ROTATING EQUIPMENTS*

Work experience in overhauling, running, preventive breakdowns and shutdown jobs

PUMPS

- Experience in handling Pumps, Single stage, Multi stage pumps, Plunger pumps, vane, Screw gear
- Having experience in Sun dyne pump. Overhauling, PM and CM jobs.
- Checking of axial float, radial play, shaft run out
- Checking of impeller back clearance and front clearance
- Inspection and renewal of bearings and bearing clearances, wear ring

COMPRESSORS

- Experience in overhauling **SCREW COMPRESSOR** (KOBELCO) - KS63LNZ
 - ☐ Checking and changing the Journal bearing, thrust bearing, Labyrinth and dry gas seal
 - ☐ Setting the timing gear & rotor clearance adjusting.
 - ☐ Checking & setting Rotor axial float adjusting.
 - ☐ Startup and shutdown lube oil pump operation, lube oil maintenance cooling water circulation,
 - ☐ Lube oil flushing using by 100 mesh in all the lube oil inlet line to the compressor, gear box & motor
- Having maintenance experience in **CENTRIFUGAL COMPRESSOR**
 - ☐ Checking and changing the Journal bearing, thrust bearing, Labyrinth and dry gas seal
 - ☐ Checking the setting the Axial Centering, Radial Centering, Axial float
 - ☐ seal and Lube oil circuits accessories Maintenance
- Having maintenance experience in **RECIPROCATING COMPRESSOR**
 - ☐ Replacement of valves and changing gas seal.
 - ☐ Checking the piston ring, big end bearing, small end bearing cross head and main bearing clearances
 - ☐ Checking and adjusting the piston rod deflection
 - ☐ Renewal of stuffing box packing

SEALS and BEARINGS

- Having experience in servicing, installing of mechanical seals from different manufacturers like John Crane, leak proof and Flowserve
- Having experience in installing Dry gas seal.
- Having experience in Dismantling and installing, clearance checking and adjusting in all kind of thrust and radial bearings.

ALIGNMENT EXPERIENCE:

- Having good experience in motor and pump cold and hot alignment with the following methods:
 - (A) Laser method (ROTALIGN and OPTALIGN)
 - (B) Reverse Indicator method.
 - (C) Rim and Face method.
- And having experience in Belt Drives also

FANS & COOLING TOWER

- Having experience to change the belt, bearings, blade angles,
- Belt alignment and tensioning belt in the pulley with driver.
- Gear to motor alignment.

DIESEL ENGINE

- Carry out the PM, Corrective and breakdown maintenance jobs.
- Having experience in removing, cleaning replacing Lube oil and air filters, and adjusting tappet clearance. And troubleshooting as per the manufacture manual.

GEAR BOXES

- Worked in Various Step down & Step-up Gear Boxes associated with rotating equipment.
- Involved in prevents maintenance and bearing changing
- Inspection of gear teeth, Axial float and bearing and check the backlash clearance activities.

BELT CONVEYOR & others

- Hands on experience on Belt conveyer, chain conveyor, screw conveyor and bucket elevator
- vulcanizing and conveyer Maintenance Job
- Inspection of bearings and roller, adjusting the off-center problems
- Experience in Bagging machine overhauling. Alignments.
- Working experience in Rotary valve

STATIC EQUIPMENTS

- Inspection of trays, down comers, assembling and disassembling the trays and leveling Column inside cleaning and puffing work.
- Working Knowledge in replacing all types of valves in field
- Working experience in Heat exchanger such as cleaning, Hydro Testing and plugging.
- Having Knowledge about welding pipes, storage tanks, vessels etc.
- Having maintenance experience in rousing of burners, dampers and valves
- I have experience in Condition & Monitoring of the Equipment
- Having working experience in GRP pipe lines.
- I have also good knowledge about P&I Diagram

Repair and change the gland packing and plant preventive maintenance of static equipment

SAFETY EQUIPMENT

- H2S monitor, Gas detector Fire detection system
 - DCP, Foam, CO2& Fire extinguisher,
- Life jackets and Belts Operation and maintenance of various types of firefighting equipment

PERSONAL INFORMATION

FULL NAME	-	ABISH RAJAN
DATE OF BIRTH	-	29-02-1996
GENDER	-	MALE
NATIONALITY	-	INDIAN
MARITAL STATUS	-	SINGLE
RELIGION	-	HINDU
LANGUAGES KNOWN	-	ENGLISH, TAMIL, MALAYALAM, HINDI
BLOOD GROUP	-	AB+
INTERESTS	-	READING TECHNICAL BOOKS, MOVIES
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PASSPORT DETAILS

M1175551

DATE OF ISSUE	19.08.2014
DATE OF EXPIRY	20.08.2024
PLACE OF ISSUE	COCHIN

COVID 19 VACCINATION

_Vaccine Name	-	COVID -19, mRNA, LNP-S, PF, 100 mcg/ 0.5 ml dose
FIRST DOSE	-	17.04.2021
SECOND DOSE	-	17.05.2021
THIRD DOSE	-	25.01.2022

GENERAL SKILLS

- Good communication skills – Verbal and Written
- Good maintenance – Maintenance jobs on rotating and static machines
- Good Housekeeping practices around the machine
- Good knowledge on static maintenance jobs- blinding, de-blinding
- Computer skills – Microsoft word, excel etc....
- Aware of Material Safety Data sheets of hazardous materials

DECLARATION:

I hereby declare that the particulars furnished above are complete and correct to the best of my knowledge and belief. I promise that I will discharge my duties to your best satisfaction.

DATE:

ABISH R

PLACE: