

RESUME**A.J. JITHIN SAM SELVIN**

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**Mechanical Engineering with 4 years of experienced in oil & gas field
(Onshore and offshore)**

Responsible for Preventive, Predictive and Breakdown Maintenance, Overhauling, Troubleshooting, Inspection, Alignment, Data interpretation and Record measurements, Look Listen Feel (LLF) Analysis, Problem identification & rectification, Lubrication & condition Monitoring. Experience in erection & commissioning of gas & steam turbines, centrifugal & reciprocating compressors, pumps and seal plans as per API. Strong skills in directing and motivating staffs with up to 10 members.

- ◆ Staff Supervision ◆ Erection & Commissioning ◆ Root Cause Analysis
- ◆ Corrective Maintenance ◆ Preventive Maintenance ◆ Predictive Maintenance

Educational Qualifications

- ❖ Diploma in Mechanical engineering
- ❖ Mechanical engineering (B.E)

Experience details

Designation : Mechanical engineer
Client : **ANABEEB (SAUDI)**
Period : AUG 2023 TO MAR 2024

Designation : Mechanical technician

Client : **DRY DOCKS WORLD (DUBAI)**

Designation : Mechanical engineer

Client : **ALSHAFAR NATIONAL METAL WORKS (DUBAI)**

Period : Jun 2021 to Nov 2022

SCOPE OF WORK & RESPONSIBILITIES:

Skills:

- Excellent analytical, communication, and abilities to work in a multinational environment with wide exposure to various cultures and customs.
- Computer literate, familiar with **MS Office** (Word, Excel, Power point & spread sheet software.), Experienced in PR raising, Purchase ordering, Material Checking, QA/QC etc
- **SAP Knowledge** for material Management & Knowledge in MOC.
- Having great knowledge in **Vibration Monitoring System (Bently Novda & machine health analyzer)**
- Mechanical aptitude and basic knowledge of Electrical & instrumentation.
- Well versed with Permit to Work (**PTW**) system, Standard Operating Procedures (**SOP**), **SMPS** (Standard Maintenance Practicing Procedures) Job Safety and Job Hazard Analysis (**JSA**) followed in the International Project Sites.
- Possess strong work ethic ,team spirit & Good Leadership
- Having experienced in **Root Cause Analysis (RCA)** of problems related to maintenance and Preparing **FIR** for the failure equipments

Alignment:

- Rim and face Method
- Reverse Dial Indicator Method
- Laser Alignment Method Easy Laser XT 770, SKF TKSA71, SKF TKSA 41.
- Belt Alignment
- Master Level Skid Alignment

Pumps : (NuvoPignone 9 stage Centrifugal Pump overhauling due to low flow.)

- Having relevant experience in maintenance in all types of pumps such as centrifugal, reciprocating & rotary pumps.
- Obtaining a complete check list of the dismantled equipment and keep a record of the same.
- Inspect the condition of rotating parts namely shaft, sleeve, impeller, oil deflectors, wear rings, bearings, coupling and stationary parts such as casing stuffing box, distance pieces and bearing housing.
- Hydro test of pumps to determine mechanical seal and casing leaks.

- Overhauling of reciprocating pump such as plunger pump & diaphragm pump including renewal of plunger packing, oil seals, suction discharge valves checking & servicing.

Mechanical seal :(John crane, Flowserve & Burgmann)

Assembling, reconditioning and replacing of all type of Mechanical seals such as single, dual cartridge and non cartridge seals

Reciprocating compressor :(Dresser Rand, Neuman Esser)

- Inspection, Dismantling & Assembling of Coupling, fly wheel, crank shaft, connecting rod, cross head, gudgeon pin, piston rod, piston and cylinder.
- Maintaining limited clearance of Main bearings, Big end and small end bearings
- Check and replace the piston rings, rider/guide rings, stuffing box packing & Oil wiper Packing, Suction unloader valves and discharge valves.
- Check and adjust the TDC & BDC, Done full overhauling.

Steam turbine :(Elliot, Thompson)

- Disassembling & Assembling of Bearings (Thrust and journal), Rotor, Inner casing, stator blades, and Oil and steam labyrinth seals, Mechanical TTV & Governor.
- Performing Cold & Hot alignment of Steam Turbine with driven Equipments.

Centrifugal compressor: (BHEL BCL Type)

- Inspection, Dismantling & assembling of Thrust & Journal bearings (plain and tilting pads types) ,Locate position of rotor assembly and proper installation of dry gas seals
- Respecting the Radial & minimum axial clearance between impellers and diaphragm and delivery dimensions of volute.

Static Equipment's:

- Maintenance jobs carried out in all type of Valves, Well head platforms, wing valve replacement, Choke adjusting, fin fan (Belt, Pulley and bearing replacement) air coolers, PSV calibrations, coordinating fabrication team for the pipeline work
- Maintenance jobs carried out in heat exchangers of Shell & tube which include activities right from blinding, bundle pulling, cleaning, testing, repair works as per inspection & hydro testing etc.
- Knowledge about ASME, ANSI, ISO standards, having experienced in material management
- Sound knowledge in reading P & ID, ISO Drawings, Positive isolation for Vessel Inspection, Cleaning & Hydro testing & pneumatic testing of vessels. Maintenance jobs carried out in Valves filters which include activities changing of elements, cleaning, inspection clearance etc.

Gas Turbine :(Frame 6)

- Involved in shut down activities

Commissioning Experience:

- Technical assistance during Commissioning, startup & handover of the plant to the client. Preparing mechanical erection punch list and follow-up of the same for timely liquidation, Commissioning Documentation, Equipment handling & Installation
- Planning & preparing Cleaning activities (pre-commissioning) like water flushing, Air blowing, Card board blasting, Steam blowing & Lube oil flushing.
- Planning & preparing activities like Hydro testing, Nitrogen Purging, Leak test.
- Centrifugal Compressor commissioning (Make: Elliot Ebara 29MDB9,BHEL) activities like chemical Cleaning, Alignment checking, Turbine Solo run test, Load run test, Lube oil Circulation, Governor checking & T & T Valve Checking etc.
- Reciprocating compressor MRT(Mechanical Run Test), Commissioning (Make: Dresser Rand,NeumanEsser)
- Pump Format Checking, Seal Plan Checking activities (API & ISO), Commissioning of centrifugal & Reciprocating pumps etc.
- Line Checking as per P& ID and punch List Preparation of All Equipment's.

SAFETY TRAININGS:

**Fire prevention & firefighting, First Aid Training, H2S Awareness Training,
Work Permit system, Confined Space Entry, Authorized Gas Tester,
Incident Injure Free, Hazards Chemical Handling**

Personal Profile:

Gender	:	Male
Nationality	:	Indian
Language Known	:	English, Hindi, Tamil, Malayalam, Arabic- basic
DOB	:	04-11-1997
Passport Number	:	S8533904
Expiry Date	:	29/01/2029