

100158-MET-45MY-E-2019

Rotating Equipment Engineer

Holds a B. Sc. in Mechatronics Engineering and has over 5 years experience in Petrochemical, Oil & Gas and Industrial Maintenance Field, Specializing in Rotating Equipment, Skilled in root cause analysis and implementation of maintenance strategies to minimize downtime, committed to delivering innovative solutions for organizational success.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Mansoura

EDUCATION

: B. Sc. in Mechatronics Engineering, Mansoura University, 2019

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: SAP Maintenance Plant

TRAINING COURSES AND CERTIFICATIONS

: Mechanical Maintenance Diploma, PrimeGear, Atlasco Group: Maintenance Management, Maintenance Strategies / Maintenance Management Fundamentals, Maintenance System Implementation Fundamentals, Reliability & Asset Management Fundamentals, Rotating Equipment Electric Motors / Pumps / Compressors / Fans & Blowers, Steam Turbines / Gas Turbines / Hydraulic Turbines / Wind Turbines, Gearboxes / Bearings / Generators, , (Steam Generators, Valves, Mechanical Seals & Filters, Power Transmission Equipment, Belt Drives / Chain Drives / Couplings, Machinery Lubrication Fundamentals, Advanced Inspection & Condition Monitoring Techniques, Vibration Analysis / Oil Analysis / Infrared Thermography / Ultrasound testing.
: ROTATING EQUIPMENT MAINTENANCE & OPERATION.
: MAINTENANCE, RELIABILITY AND ASSET MANAGEMENT ALL IN ONE BRIEF, RES Global.
: MAINTENANCE MANAGEMENT AND ASSET RELIABILITY course.

- : Basic & Advanced Hydraulic system, Mechatronics Lab - Mansoura University (from Jan. till Mar. 2018).
- : Basic & Advanced Electro-Hydraulic System, Mechatronics Lab - Mansoura University (from Jan. till Mar. 2018).
- : Basic & Advanced Pneumatic system, Mechatronics Lab - Mansoura University (from Apr. till Jun. 2018).
- : Basic & Advanced Electro-Pneumatic System, Mechatronics Lab - Mansoura University (Apr./May 2018).
- : Electro-Hydraulic & Electro-Pneumatic with PLC, Mechatronics Lab - Mansoura University (May/Jun. 2018).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2021 till now
- Employer** : Belaim Petroleum Company at Egyptian Maintenance Company (EMC)
- Project** : ENI ZOHR NATURAL GAS FIELD
- Job title** : Rotating Equipment Engineer
- Job Description** :
- Implemented maintenance strategies for various pumps, compressors, Gas turbines Siemens SGT400, adhering to API standards for meticulous preventive and corrective actions based on time or running hours including Conducted major overhauls and emergency repairs.
 - Assisting Siemens Team in Implementing of Type A, B and C Inspection for SGT400 gas turbines including not limited to Package, Filter-house, Compressor, CT, PT borescope, Combustion burners and gas path inspection.
 - Ensured a steadfast commitment to safety and strict adherence to company policies and procedures during all maintenance activities. Implemented HSE protocols, including the issuance of PTW (Permit to Work) and the preparation of task risk assessments (TRA) for mechanical activities.
 - Executed Reciprocating and Screw Compressors daily PM's including 2k, 4k, 8k, 16k maintenance activities, etc.
 - Executed precise alignment activities, including pump shaft alignment with soft foot correction using advanced tools like "Easy Laser XT550", Maintained meticulous documentation, including monthly updates for pump history, vibration analysis sheets, measurements, work procedures, and root cause analysis reports.
 - Actively contributed to continuous improvement by reviewing and updating maintenance procedures, job plans, standing instructions, and operating manuals. Implemented reliability-centered maintenance practices, enhancing overall equipment performance and longevity.
 - Overhauling different mechanical seal types (Flowserve, John crane, FLUITEN and Eagle Burgmann) with deep knowledge for all API682 mechanical seal plans, bearings, and Plain bearings.
 - Excellent analytical skills and ability to accurately and precisely communicate technical information.
 - Extensive knowledge of Air coolers - Boldrocchi, Blower and fans - CBI & Robuschi and high-pressure fluids, vibration analysis techniques, equipment parts, testing, repairing, and maintenance procedures.
 - Support operation and CCR to keep the plant reliable and high availability by SAP systems.

Dates : From Jan. 2019 till Jan. 2021
Employer : International Company for Chemical Industries
Job title : Junior Rotating Equipment Engineer
Job Description :

- Supervision of all mechanical Maintenance activities related to all Rotating equipment all over the plant such as not limited to:
 - SINGE CENTRIFUGAL PUMPS (EBARA FLOWSERVE, KSB, LCP SERIES, INOXPA hyginox se 20).
 - POSITIVE DISPLACEMENT PUMPS: Lobe pumps (INOXPA CLOSED COUPLED ROTART), Gear pumps (KUPAR POMPA).
 - SCREW COMPRESSORS (ATLAS COPCO GA55, GA75).
 - BLOWERS AND FANS: CENTRIFUGAL AND AXIAL.
 - GEARBOXES (SEW, MOTOVARIA).
- Develop equipment modification plans based on data, maintenance technician feedback, or OEM recommendation.
- Prepare specific job plans steps with detailed procedures for completion of repair in the most effective and efficient manner.

Dates : From Nov. 2017 till Dec. 2018
Job Description : My Own Work: Cars Diagnostics - Identify mechanical problems, often by using computerized diagnostic equipment.

Equipment Specialist:

- Pumps:
 - CENTRIFUGAL PUMPS, API610.
 - ❖ Weir Gabbioneta: PA and R GN (OH1/OH2) Models.
 - ❖ Flow Serve: 40 WUC-2H, 100 WUC-2R, 35 WUC-2R 90 WUC-2R-2 (VS6) Models.
 - ❖ Termomeccanica S.p.A.: 100 A2P 41 (BB5) model.
 - ❖ Finder: 1x2 V-PEP 101CL, 1x2 V-PEP 131 BLL/M, HPV32-160NT (VS4) Models.
 - ❖ KSB: RPH A8, RPH S8 (OH2) Models.
 - ❖ Sulzer: A 23-50-S Model.
 - POSITIVE DISPLACEMENT PUMPS, API674, API675, API676.
 - ❖ PERONI POMPE S.p.A: TITANO 3130N (Plunger type).
 - ❖ BELLIN S.p.A: NZA 300c/V1W6T (Progressive Cavity pump).
 - ❖ SEKO: Y50N12FAF (Diaphragm Pumps).
 - MECHANICAL SEAL: API682.
 - ❖ Flowserve, John crane, FLUITEN and Eagle Burgmann (Single, tandem, F2F and B2B arrangement).
- COMPRESSORS, API617, API618, API619:
 - RECIPROCATING COMPRESSOR:
 - ❖ SIAD MACCHINE IMPIANTI: HPS3-3 model.
 - SCREW COMPRESSORS:
 - ❖ INGERSOLLRAND: Sierra SH-300 (oil free).
 - ❖ ATLAS COPCO: ZT-250 (Oil Free).
 - ❖ GEA: XAR-XA20T-28 (oil Injected).
 - CENTRIFUGAL COMPRESSOR:
 - ❖ Sundyne Compressor: LMC-347 Model.
- GAS TURBINE, API616:
 - SIEMENS: SGT400 Model.