

MOHAMMED ABDUL WASAY

Mechanical Engineer | Maintenance Engineer

Workshop Engineer
[Plant, Machinery & Vehicles]



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Results-oriented **Sr. Mechanical Engineer** with **over 9+ years** of experience in Plant Machinery & Vehicles (PMV) specialized in Roads & Construction Equipment's. Targeting challenging opportunities in the field of mechanical engineering, with a focus on operation and maintenance of Plants, Machinery & Vehicles in the Construction industry preferably in Saudi Arabia.

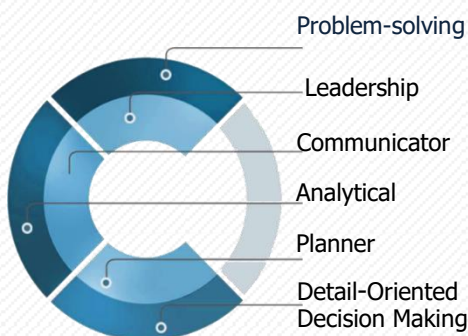
PROFILE SUMMARY

- A versatile, focused and motivated **Senior Mechanical Engineer** with more than **9 years of Exp.** across **Plant, Machinery and Vehicles (PMV)** in major infrastructure & road construction projects. Proficient in Handling **Operations and Maintenance, Fault Diagnosing, Troubleshooting, Procurement, Logistics, Spare-parts and Inventory Management of all Heavy Earth Moving Machineries (HEMM)** from renowned brands like CATERPILLAR, VOGELE, BOMAG, JCB, DYNAPAC, MAN, VOLVO, Nissan ETC
- Excelled as a Senior Mechanical Engineer, **ensured zero/minimum breakdown** and **maximum availability of machinery**, resulting in **increased uptime**, reliability, and enhanced competitiveness
- Expertise in **planning & implementing predictive, breakdown & preventive maintenance** schedules for various equipment and vehicles, as well as conducting regular inspections, repairs & replacements of equipment's to control operations of Construction Site
- Strong ability to **analyze maintenance data**, identify recurring issues, and drive performance improvement initiatives that enhance fleet reliability, reduce operating costs, and increase productivity
- Successfully introduced **digital maintenance solutions** such as **paperless maintenance records, automated breakdown registers, equipment history cards, and cloud-based dashboards**, leading to greater efficiency, transparency, and control.
- Ensured **maintenance of documents as per ISO Regulations**, and implementation of **Quality Management System** as per ISO Standard
- Possess extensive knowledge of heavy equipment components like **Engine, Hydraulic Pumps, Lubricating systems, Motors and Valves**
- Proficient in **managing & leading teams** for running successful process operations & experience of developing procedures, service standards for business excellence

CORE COMPETENCIES

- Equipment Performance & Optimization
- Safety & Compliance
- Cost Optimization
- Digital Maintenance Systems
- Logistics & Transportations Management
- Heavy Equipment Operation & Maintenance
- Preventive & Predictive Maintenance
- Team Management & Collaboration
- Spare parts & Inventory Control
- Emergency Response Planning
- Resource Management
- Quality Assurance & Control
- Fleet & Workshop Management
- Procurement & Vendor Coordination
- Documentation

SOFT SKILLS



TECHNICAL SKILLS

- Excellent in working on MS Office, Internet Applications and all kind of maintenance software's
- Experienced in using Auto-Cad -Diploma in Autocad

EDUCATION

- **2020: Post Graduate. in Maintenance Engineering**, International Institute of Management and Technical Studies - INDIA.
- **2014: B-Tech in Mechanical Engineering**, Jawaharlal Nehru Technological University-Hyderabad INDIA.



CERTIFICATION

- Registered **Mechanical Engineer** at **Saudi Council of Engineers**
- Certified in **Industrial Hydraulic Training** - 2023
- Certified on **Bomag Pavers & Rollers Service, Hydraulic Training** - 2018
- Certified in **Vogele Pavers Operation & Maintenance Training** - 2016



WORK EXPERIENCE

Al-Mardoof Contracting Company- Saudi Arabia (July-2024-Present)

Designation: PMV-Workshop Engineer

Key Projects:

- **Project: Neom-The Line (July-24 To Nov-24)**
- **Project: Third Ring Road - Road & Infrastructure Project (Nov-24 To Present)**

Project Scope: The *Third Ring Road (King Khalid 3)* project involved large-scale road and infrastructure development, including controlled rock blasting for roadway formation, excavation, and benching of mountainous areas. The scope covered loading, hauling, and disposal of blasted materials using heavy earthmoving equipment, followed by grading, compaction, and construction of subgrade, sub-base, and asphalt pavement layers. As part of the PMV team, I was responsible for ensuring the optimal performance, maintenance, and deployment of heavy equipment and vehicles used throughout the project to support continuous and safe operations.

Key Responsibilities:

- Oversee the operation, maintenance and repair of all the equipment & vehicles
- Ensuring that all the equipment & vehicles are regularly serviced & maintained according to the manufacturer's guidelines
- Diagnosed mechanical, hydraulic, and electrical faults using technical manuals and diagnostic tools & coordinated timely repair and component replacement
- Responsible for implementing the preventive maintenance schedule to minimize the equipment downtime
- Overseeing all workshop activities, allocating tasks to technicians, and monitored repair progress to meet operational requirements and project deadlines
- Maintained detailed records of maintenance activities, including repairs, spare parts consumption, and inspections, facilitating effective tracking and analysis
- Prepared and submitted daily, weekly, and monthly reports on equipment breakdowns, availability, and operational efficiency
- Maintaining close collaboration with cross-functional teams, including workshop maintenance, site maintenance, and construction teams, to set priorities and minimize disruption of operations, ensuring seamless coordination
- Co-ordinating with blasting, excavation, hauling, and paving teams to align equipment availability with critical construction activities.
- Oversaw equipment mobilization and demobilization at different project locations to avoid delays in project execution.
- Implemented digital solutions including Paperless Maintenance Records, Automated Breakdown Register, Equipment History Cards, and a Cloud-based Maintenance Dashboard (Google-based).
- Co-Ordinating with suppliers and service providers for the timely procurement of spare parts & services
- Monitoring & evaluating the performance of equipment & vehicles to identify opportunities for improving efficiency & reducing costs
- Implementing measures to reduce the environmental impact of the machinery & vehicle operation such as minimizing fuel consumption, regular services to reduce excessive emissions of smoke
- Overseeing the subcontractors responsible for the operation, maintenance & repair of equipment/vehicles ensuring they meet the required standards
- Facilitating regular meetings with sub-contractors to review the maintenance strategies, repair policies, address concerns, & ensure alignment with project & client objectives

QDSBG (Qatari Diar-Saudi Binladen Groups) Construction, Qatar (Mar'16-Sep'23)

Growth Path: Incorporated a new role as Maintenance Engineer and workshop in charge, seamlessly integrated with my existing responsibilities. I was responsible for planning, scheduling, and executing all preventive maintenance tasks of all heavy and light equipment/vehicles, managing all the workshop activities such as repairs, inventory management, team management/assessment, safety compliance, training and development

Designation: Mechanical Engineer (Jun'19-Sep'23)

Key Result Areas

- Developed and implemented comprehensive maintenance schedules for heavy and light equipment, as well as vehicles, resulting in increased operational efficiency and prolonged equipment lifespan.
- Conducted regular inspections of equipment and machinery, proactively identifying and addressing potential issues, wear and tear, or signs of malfunction, leading to minimized downtime and enhanced equipment reliability.
- Ensured that all maintenance tasks, repairs, and adjustments were executed under safety standards, guaranteeing optimal equipment performance within manufacturer specifications.
- Efficiently managed and supervised multiple workshops, optimizing task assignments and work schedules to ensure the team's productivity and effectiveness.
- Provided effective leadership to a team of supervisors and mechanics, offering guidance, training, and support, resulting in streamlined maintenance and repair operations.
- Analyzed equipment data to gain insights into performance, breakdown history, usage, and efficiency, facilitating informed decision-making for continuous improvement.
- Compiling comprehensive daily operation reports and breakdown reports for effective management oversight
- Conducting detailed analysis of breakdown and repair cost reports to identify potential cost-saving measures
- Prepared monthly reports on preventive maintenance activities, offering valuable insights into equipment performance and identifying areas for enhancement.
- Successfully forecasted inventory of spare parts, preventing shortages, meeting maintenance needs, minimizing downtime, and optimizing inventory levels.
- Cultivated strong relationships with suppliers, equipment manufacturers, and service providers, ensuring reliable technical support, efficient parts procurement, and smooth warranty claims.
- Maintained detailed records of maintenance activities, including repairs, spare parts consumption, and inspections, facilitating effective tracking and analysis.
- Collaborated closely with cross-functional teams, including workshop maintenance, site maintenance, and construction teams, to set priorities and minimize disruption of operations, ensuring seamless coordination.
- Oversaw the deployment of machinery to construction sites, ensuring compliance with safety regulations and project timelines.
- Addressed all unplanned breakdowns, managed repairs, and ensured continuous 24/7 technical and maintenance team coverage, minimizing downtime and maximizing operational uptime.
- Assessed technician performance, provided guidance, acknowledged efficiency, and offered training for skill enhancement, fostering a culture of continuous improvement.
- Implemented HSES policies, conducted risk assessments, and ensured safe work practices throughout maintenance operations, contributing to a secure and compliant work environment.
- Monitored equipment performance, conducted in-house operator training, and proposed upgrades, resulting in improved productivity and reduced downtime.
- Managed the logistics and transportation of construction machinery, vehicles, and equipment for various projects
- Oversaw the deployment of machinery to construction sites, ensuring compliance with safety regulations and project timelines.

Designation: Site Mechanical Engineer (Mar'16-May'19)

Key Result Areas

- Spearheaded the development and implementation of a comprehensive maintenance strategy, procedures, and methods based on equipment manuals and work orders, resulting in improved equipment performance and reduced downtime
- Conducted regular inspections, troubleshooting, and corrective/preventive maintenance services, ensured optimal functioning of equipment and minimized the risk of breakdowns
- Thoroughly inspected equipment before and after repairs, identified faulty components and ensured complete fixing to avoid future issues
- Collaborated with project managers to suggest equipment upgrades and provide technical advice, contributed to the overall efficiency and effectiveness of construction projects
- Analyzed upcoming equipment requirements and proactively arranged for the purchase of fixtures, fittings, or parts, preventing potential catastrophic losses
- Managed quotations and provided technical approval based on quality and price comparison, ensured cost-effective procurement of equipment and materials
- Supervised the operations of mechanics, ensured timely repairs and maintenance of assigned equipment
- Prepared monthly reports on preventive maintenance activities, provided insights into equipment performance and identifying areas for improvement

- Deployed and supervised the technical and maintenance team onsite, ensured 24/7 coverage and efficient execution of maintenance tasks
- Coordinating the deployment of equipment to project sites based on specific project requirements
- Proven track record of forecasting and planning preventive maintenance of equipment, optimized equipment lifespan, and reduced the likelihood of unexpected failures
- Collaborated with Mobile Equipment Services (MES) for the repair and maintenance of heavy machinery, ensured their safe and efficient operation
- Possess strong leadership and communication skills, with a focus on fostering collaboration and maintained positive working relationships with other divisions of the company
- Enforcing strict adherence to safety and environmental regulations for company vehicles and construction equipment

Key Projects Managed:

- Khalifa Avenue- Bani Hajr, Qatar
- Internal Security Forces ISF, Qatar
- Lusail Plaza -Lusail, Qatar
- Wakhra Labor & Family Accommodation, Qatar
- Huzoom Lusail, Qatar

Marvell Construction, India (Jun'14-Jan'16)

Designation: Mechanical Engineer

Key Result Areas:

- Supervised service personnel and technicians, ensuring their services met the highest standards of quality.
- Implemented and followed equipment preventive maintenance schedules as per OEM recommendations, minimizing downtime and maximizing equipment lifespan.
- Forecasted and planned preventive maintenance activities, ensuring optimal equipment performance and minimizing unexpected breakdowns.
- Effectively supervised mechanics, ensuring timely repairs and maintenance of equipment to minimize operational disruptions.
- Prepared monthly reports on preventive maintenance activities, providing valuable insights for decision-making and resource allocation.
- Maintained comprehensive records for each piece of equipment, documenting downtime, mechanical malfunctions, and necessary repairs.
- Collaborated with Mobile Equipment Services (MES) for the repair and maintenance of heavy machinery, ensuring their safe and efficient operation.
- Organized and managed manpower according to work requirements, optimizing productivity and efficiency.



PERSONEL DETAILS

- **Date of Birth:** 30th March 1992
- **Nationality:** Indian
- **Status:** Married
- **Languages Known:** English (Fluent), Arabic (Intermediate) & Urdu
- **Passport No.:** I0257838
- **Iqama Status/Validity:** Transferrable Iqama/25-Dec-2025