

# Mohammed Ibrahim Masoud Algamal

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## Objective

- Mechanical Engineer with **+12 years** of experience in **Heavy Equipment & Trucks Maintenance** seeking a challenging opportunity in a reputable company where my skills, experience and academic background can be implemented, utilized, and professionally developed and take that establishment to advanced level during my position.
- Lead heavy equipment maintenance engineers in your great company, working in the field of **Heavy Equipment, Asphalt Plants & Crushers Maintenance**.
- **Asset Management** by plans, implements, and monitors strategies for managing assets, including acquisition, usage, maintenance, and disposal, in alignment with business goals and budget constraints.

## Summary

- Oversees the maintenance and repair of heavy equipment used in construction, mining, agriculture, or industrial operations. Their primary responsibility is to ensure all equipment is operational, safe, and maintained in accordance with manufacturer and company standards, Meticulous Maintenance Manager experienced in managing maintenance through computerized maintenance management system (**CMMS**), **CMRP, CAMA & PMP** Focused on preventive and predictive maintenance. Praised for successfully managing cross-functional team members.

## Experience

### **MAINTENANCE MANAGER | TRADING & DEVELOPMENT PARTNERSHIP (TDP) – TDP MACHINERY – KSA | JAN 2024 – PRESENT**

#### ➤ **Maintenance Planning & Scheduling**

- Develop and implement preventive and predictive maintenance plans.
- Schedule routine inspections, servicing, and overhauls.
- Coordinate downtime to minimize impact on operations.

#### ➤ **Team Management**

- Supervise and lead mechanics, technicians, and maintenance staff.
- Assign tasks based on skill levels and project needs.
- Provide training and mentorship to improve team capabilities.

#### ➤ **Equipment Management**

- Maintain detailed maintenance records for all equipment.
- Monitor equipment condition using diagnostic tools and telematics.
- Recommend equipment replacement or upgrades based on performance and cost.
- Monitor equipment conditions and schedule maintenance.

- **Asset Management**
  - Develop and implement asset management policies and procedures.
  - Optimize asset performance and lifecycle costs.
  - Maintain accurate asset inventories (software, equipment, property, etc.).
  - Manage asset budgets and depreciation.
  - Prepare reports on asset valuation, usage, and risk.
- **Budget & Cost Control**
  - Prepare and manage maintenance budgets.
  - Track expenses and look for cost-saving opportunities.
  - Negotiate with vendors for parts, tools, and services.
- **Safety & Compliance**
  - Ensure compliance with OSHA and other regulatory standards.
  - Conduct safety audits and implement corrective actions.
  - Maintain equipment to meet environmental and safety standards.
- **Inventory & Parts Management**
  - Oversee parts inventory and reordering processes.
  - Ensure availability of critical spare parts.
  - Implement inventory control systems to reduce waste and downtime.
- **Reporting & Documentation**
  - Generate regular reports on maintenance activities, costs, and equipment status.
  - Maintain service logs, inspection reports, and regulatory documentation.
  - Report major equipment issues or failures to upper management.
- **Coordination with Other Departments**
  - Work closely with operations, logistics, and procurement teams.
  - Support project planning by ensuring equipment availability.
  - Communicate maintenance plans and schedules to relevant stakeholders.

## **WORKSHOP MANAGER | TRADING & DEVELOPMENT PARTNERSHIP (TDP) – TDP MACHINERY – KSA) | FEB 2023 – DEC 2023**

- **Workshop Operations Management**
  - Plan, coordinate, and supervise all workshop activities.
  - Ensure equipment is maintained according to manufacturer and operational standards.
  - Schedule preventive maintenance and repair tasks.
  - Oversee the workflow and prioritize urgent repairs.
  - Manage technicians and mechanics.
  - Allocate tasks and monitor progress.
  - Ensure workshop safety standards are met.

- **Team Leadership**
  - Lead, train, and supervise mechanics, technicians, and support staff.
  - Assign tasks, monitor performance, and conduct regular evaluations.
  - Promote a culture of safety, quality, and efficiency.
- **Equipment and Inventory Control**
  - Monitor spare parts inventory and place orders as necessary.
  - Maintain accurate records of repairs, maintenance, and part usage.
  - Ensure the availability of tools, diagnostic equipment, and consumables.
- **Maintenance & Repairs**
  - Diagnose faults using diagnostic tools/software.
  - Carry out mechanical, electrical, hydraulic, and pneumatic repairs.
  - Perform preventive maintenance based on service schedules.
- **Documentation & Reporting**
  - Maintain accurate service records.
  - Prepare reports on equipment condition and repair costs.
  - Recommend equipment replacements or upgrades.

## **WORKSHOP MANAGER | AL RAGHEB FOR CONTRACTING- EGYPT | JAN 2018 – DEC 2022**

- Responsible for overseeing the maintenance, repair, service, and overall operations of a workshop that handles large construction, mining, agricultural, or roads equipment.
- Ensure the availability, safety, and reliability of heavy equipment by managing a workshop that performs diagnostics, maintenance, repairs, and overhauls efficiently.

## **WORKSHOP ENGINEER | AL RAGHEB FOR CONTRACTING- EGYPT | JULY 2014 – DEC 2017**

- **Heavy equipment Overhaul**
  - Dismantle major systems: engines, transmissions, hydraulic pumps, final drives, undercarriages, etc.
  - Replace or refurbish worn parts to OEM standards.
- **Technical Diagnosis**
  - Troubleshoot failures or reduced performance in critical components.
  - Use diagnostic tools and OEM software (e.g., CAT ET, Cummins INSITE & Volvo tech tool).
  - Diagnose faults using diagnostic tools/software.
  - Carry out mechanical, electrical, hydraulic, and pneumatic repairs.
  - Perform preventive maintenance based on service schedules.
- **Reassembly & Testing**
  - Assemble overhauled components with precise torque specs and clearances.
  - Perform testing under load or bench testing with dyno systems.
  - Document all tolerances and specifications met during the process.

## Skills & Abilities

- Ability to perform all transmissions, engines, and hydraulic pumps overhauling.
- Good experience with Caterpillar equipment (motor graders, loaders, bulldozers, excavators, compactors, diesel generators, and dump trucks).
- Extensive experience with equipment, electrical, and electronic systems.
- Good experience with mechanical and electronic fuel systems (MEUI, HEUI, C. Rail).
- Extensive experience in programming CAT generators Controls 3.1, 3.2, 3.3, 4.1, 4.2, 4.2B, and DSE Controls (programming and installing).
- Full professionalism in the use of CAT ET, CAT SIS, and Volvo Tech Tool.

## TRAINING AND COURSES

- **Mantrac (CATERPILLAR dealer in Egypt) Training Centre courses**
  - Applied failure analysis.
  - Diesel engines, hydraulics, and power train Transmission control courses.
  - Electronic engines (MEUI, HEUI, & C Rail).
  - Basic training courses for Mantrac intake engineers.
- **CATERPILLAR Demonstration & Training Centre in Malaga (Spain)**
  - Marine engine electronics for AMDs.
  - PEEC Generators.
  - CAT MSCS Multi-Station Control System troubleshooting.
  - CAT Vision Link and CAT Inspect.
- **CATERPILLAR University website**
  - Fundamentals of Wheel Loaders G, H, K, L&M Series Wheel Loaders.
  - 14M, 14M3, 14, and 14L motor graders.
- **Doosan training**
  - Excavator, J Hammer, and Skid Steer Loaders (Bobcat and Doosan).
- **PMP (Project Management Professional) Technical and Vocational Training Corporation.**
- **CMRP® (Certified Maintenance & Reliability Professional).**
- **CAMA (Certified Asset Management Assessor).**

## Education

- **B.Sc. of Mechanical engineering (2009 – 2014), Faculty of Engineering Alexandria University, Alexandria, Egypt.**
- **Diploma, Series of Heavy Equipment system courses (multi sections), Caterpillar (2016-2020).**

## Hobbies And Interest

- **Reading.**
- **Body building.**