

# Heavy Equipment Mechanic Job Description

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## Duties and Responsibilities:

- Conduct in-depth inspection of heavy machinery to identify their faults
- Conduct routine maintenance tasks that include oil changes and filter replacements
- Replace worn out or damaged parts, which include engines, transmissions, and hydraulic systems
- Conduct tests and adjustments in equipment for proper functionality
- Perform diagnosis by using diagnostic tools and software
- Read and interpret technical details from manuals and blueprints
- Carry out inspection of equipment and tools to meet safety standards
- Keep records of repairs and maintenance
- Order and inventory of parts and supplies on schedule
- Communicate with other mechanics and technicians in performing complex repairs
- Carry out emergency repair services as the need arises
- Train and mentor junior mechanics or apprentices
- Maintain an organized workspace
- Ensure all equipment is at industry standard
- Operate equipment to test and verify repairs
- Develop preventive maintenance schedules
- Perform welding and fabricating as needed
- Discuss with equipment operators to be able to identify problems and determine repair needs
- Stay abreast of new technologies and repair methods
- Follow safety rules and regulations. Wear proper Personal Protective Equipment
- Perform pre-use and post operating equipment checks
- Diagnose electrical and hydraulic systems
- Keep tools and equipment in good maintenance
- Assist in preparing procedures and guidelines within the maintenance

- Perform technical training and coaching to other operation departments.

## **Heavy Equipment Mechanic Requirements – Skills, Knowledge, and Abilities**

- **Mechanical Knowledge:** In-depth understanding of mechanical systems and components
- **Diagnostic Skills:** Ability to properly diagnose and troubleshoot
- **Technical Proficiency:** Knowledge of the diagnostic tools and repair techniques
- **Problem-solving:** Strong analytical skills necessary for resolving complex problems
- **Attention to Detail:** Ability to focus on every part of the repair and maintenance work
- **Communication Skills** The ability to effectively communicate both to and from team members as well as equipment operators
- **Physical Stamina:** Ability to bear the physical demands of the job, which includes lifting and bending
- **Safety Awareness:** Knowledge of safety practices and precautions.