

WORKPLACE SAFETY IN AN ELECTROMECHANICS COMPANY

Safety First: Protecting Every Worker

Workplace safety is essential in an electromechanics company. Workers use electrical equipment, machines, tools, and other devices that can cause serious accidents if they do not follow safety rules. The Occupational Safety and Health Administration (OSHA) is an organization in the United States that helps protect workers' health and safety by establishing and enforcing workplace safety standards. Its main purpose is to help prevent work-related injuries, illnesses, and deaths.

Safety Regulations and Personal Protection

Every worker must follow workplace safety regulations. Personal protective equipment (PPE) is essential because it protects workers from different hazards. Safety glasses protect the eyes, protective gloves help protect the hands, and safety shoes protect the feet. Workers must use the correct PPE for each task.

Before using tools or machines, workers must inspect them carefully. They should check for damaged cables, broken parts, and other problems. Workers must never use damaged electrical equipment. They should stop using it and report the problem to their supervisor.

Working with electricity requires special precautions. Before repairing an electrical machine, workers must follow the company's safety procedures to disconnect and isolate the power. They must follow the required lockout and tagout procedures to prevent someone from turning on the equipment during maintenance. Only trained and authorized workers should perform these tasks. Safety training helps workers understand how to use equipment correctly and prevent accidents.

Safe Work Areas, Walkways, and Safety Signs

A clean and organized workshop helps prevent accidents. Workers must keep tools in their correct places and remove hazards from the floor. Cables, boxes, and tools must not block walkways. Emergency exits must always remain clear so workers can leave the building safely during an emergency.

Safety signs provide important information. They can warn workers about electrical hazards, indicate emergency exits, identify required PPE, and communicate safety instructions. Workers must read and follow these signs. Ignoring a safety sign can put their lives and the lives of their coworkers in danger.

If a worker finds tools or cables blocking a walkway, the worker should address the hazard safely and report it when necessary. Workers must also report damaged equipment, unsafe conditions, and other dangerous situations to their supervisor. They should never ignore a hazard or continue using equipment that may be dangerous.

Safety Is Everyone's Responsibility

All employees have a responsibility to maintain a safe workplace. Workers should follow safety procedures, inspect equipment before use, wear the correct PPE, keep work areas organized, and report hazards. They should also help their coworkers understand and follow safety rules.

Sometimes, workers want to finish a task quickly and may consider taking shortcuts. However, saving time is never more important than preventing an accident. Even experienced workers must follow safety procedures. If someone does not understand a procedure, that person should ask a supervisor for help.

At our electromechanics company, safety is a shared responsibility. By following OSHA-related safety principles, respecting workplace regulations, and communicating about hazards, employees can help prevent accidents, protect their health, and create a safer working environment for everyone.

ENGLISH ORIENTED TO ELECTROMECHANICS X

EXTRA WORKSHEET: WORKPLACE SAFETY — MULTIPLE CHOICE

Essential Question: Why should safety be the first concern while working with electromechanics?

Student's name: _____ **Section:** _____ **Date:** _____

PART I. THE PURPOSE OF OSHA

Instructions: Read each question and choose the correct answer. Circle A, B, or C.

1. What does OSHA stand for?

- A. Occupational Safety and Health Administration
- B. Organization of Safety and Health Activities
- C. Occupational Services and Health Association

2. What is the main purpose of OSHA?

- A. To help companies sell safety equipment
- B. To protect workers' health and safety
- C. To increase the number of working hours

3. Why is workplace safety important for workers?

- A. It helps workers finish every task faster.
- B. It eliminates the need for safety training.
- C. It helps prevent accidents and injuries.

4. How does OSHA help protect workers from accidents and injuries?

- A. By allowing workers to ignore safety rules
- B. By removing all workplace safety signs
- C. By establishing and enforcing workplace safety standards

5. What should workers do if they notice an unsafe situation at work?

- A. Report the hazard to their supervisor.
- B. Ignore it and continue working.
- C. Wait for an accident to happen.

PART II. OSHA REGULATIONS AND THEIR PURPOSE

6. What are some important safety rules in an electromechanics workshop?

- A. Wear the correct PPE, inspect equipment, and follow safety procedures.
- B. Use any tool without checking it.
- C. Ignore instructions when working with machines.

7. Why must workers wear personal protective equipment (PPE)?

- A. To make their uniforms look better
- B. To protect themselves from workplace hazards
- C. To avoid receiving safety training

8. Why is it important to inspect tools and machines before using them?

- A. To identify damage and prevent accidents
- B. To make the equipment heavier
- C. To finish work without following procedures

9. What safety rules should workers follow when working with electricity?

- A. Touch electrical wires to check if they are working.
- B. Repair electrical equipment without training.
- C. Follow electrical safety procedures and disconnect power when required.

10. Why must workers receive safety training before using dangerous equipment?

- A. To avoid wearing protective equipment
- B. To learn how to use equipment safely and prevent accidents
- C. To work without supervision in every situation

PART III. WORK AREAS, WALKWAYS, AND SAFETY SIGNAGE

11. How should workers keep their work areas safe and clean?

- A. Leave tools and cables on the floor.
- B. Keep the area organized and remove hazards.
- C. Store equipment in front of emergency exits.

12. Why must walkways and emergency exits remain clear?

- A. To give workers more storage space
- B. To make the workshop look larger
- C. To allow people to move safely and evacuate during emergencies

13. What should workers do if they find tools or cables blocking a walkway?

- A. Address the hazard safely and report it when necessary.
- B. Ignore the problem.
- C. Place more equipment on the walkway.

14. What information can safety signs communicate in a workshop?

- A. Workers' personal information
- B. The price of tools and machines
- C. Warnings, hazards, instructions, and required protective equipment

15. What advice would you give a coworker who ignores a safety sign?

- A. You can ignore it if you are in a hurry.
- B. You should follow the sign and respect the safety rules.
- C. You should remove the sign.

PART IV. WORKPLACE SAFETY CONVERSATIONS

16. What should a worker do before repairing an electrical machine?

- A. Follow the required procedures to disconnect and isolate the power.
- B. Start the machine and touch its electrical components.
- C. Ask an untrained coworker to repair it.

17. What advice would you give a coworker who does not wear the correct PPE?

- A. You can work without PPE if the task is short.
- B. PPE is only necessary for supervisors.
- C. You should wear the correct PPE to protect yourself from hazards.

8. What should workers do when they find damaged electrical equipment?

- A. Continue using it carefully.
- B. Stop using it and report the problem to their supervisor.
- C. Hide the equipment so nobody sees it.

19. How can workers help prevent accidents in an electromechanics workshop?

- A. By taking shortcuts to save time
- B. By ignoring damaged equipment
- C. By following safety rules, inspecting equipment, and reporting hazards

20. What would you say to a coworker who wants to ignore a safety procedure to finish a job faster?

- A. You should always finish the job as quickly as possible.
- B. You can ignore the rules if you have experience.
- C. You must follow safety procedures because preventing accidents is more important than saving time.