Evolution Maintenance, Inc

Power Tools

Standard 29 CFR Part 1910.242-244

Presented by:

Barton Insurance Group LLC

OSHA

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Today's Agenda

- Safety practices prior to using any power tool
- Power tool pre-use inspection
- Beginning the job safely
- End of the job procedures
- Electric, pneumatic and grinder safety
- Summary

What are Power Tools?

Power tools are hand held, hand operated tools that utilize a power source such as an electric or pneumatic motor or a powder charge.



Before Use

- Always read and understand the safety instructions available for power tools.
- Evaluate the atmosphere where you will be working: if there is a possibility of flammable gas or vapor in the area follow procedures to prevent the tool from becoming an ignition source.
- Inspect the tool prior to each use.

Pre-use Inspection

Before using any power tool always perform a visual inspection. Check for:

- Damage to the housing
- Missing or inoperative parts including controls
  - Frayed or damaged cords or hoses
  - Damaged plug, including missing prongs

NEVER USE A DAMAGED OR DEFECTIVE TOOL

Starting the Job

- As the tool operator, YOU are responsible for your safety **and** the safety of others in the area.
- Check to be sure that the tool use will not endanger other people in the area.
- If necessary, barricade the work area with caution tape, traffic cones or signs.
- Wear required Personal Protective Equipment (PPE): the minimum requirement is safety glasses with side shields.

After the Job

- Disconnect the power source.
- Remove or guard, blades, drills or other sharp parts.
- Remove cords and hoses from work areas.
- Store the tool and accessories properly.
- Be sure that the job site is left safe for others.

Electric Tool Safety

- Route cords away from aisles and walkways to prevent a tripping hazard.
- Route cords away from vehicle traffic to avoid damage to the cord.
- Do not run cords through standing water.
- Always plug electric tools into a GFCI outlet or GFCI extension cord.







Pneumatic (Air Power) Tools

- Check that all fittings are tight and secured to prevent a detached hose from flying.
- Be sure that the air source is compressed air, **not** a flammable, inert or toxic gas.
- Route hoses away from aisles and walkways to prevent a tripping hazard.
- Route hoses away from vehicle traffic to avoid damage to the cord.





Grinders

- Contact with sparks and slag can cause fires: be sure that sparks do not contact combustible or flammable materials.
- The grinder wheel or stone must be matched to the speed and type of grinder.
- The wheel or stone must be attached using all the hardware that the tool manufacturer requires: use all washers, blotters, nuts, etc.
- Supplemental eye and face protection, consisting of goggles or safety glasses under a face shield, is always required.
- The wheel must be inspected for cracks, uneven wear and soft material build-up and ring tested.



NEVER USE A DAMAGED WHEEL: REPLACE IT

Tools of the Job

- [INSERT TOOLS YOU WILL USE HERE]

Summary

- When using power tools the operator is responsible for her/his safety ***and*** for the safety of all others in the area. To keep the job safe the rules must be followed from inspection through the end of the job.

For More Information

For more information regarding Power Tool Safety or other safety issues please contact:

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