

## POWER TOOLS

1. INVESTIGATIVE PROCEDURES. Determine the following:
  - a. Tool-job compatibility (proper tool for job, improper tool for job, etc.).
  - b. Grounding (three-prong plug in a three-hole electrical receptacle, two-prong adapter attached to "known ground, "double insulated, removable pin for three-prong plug).
  - c. Status of adjusting keys and wrenches before tool operation (removed, in place, etc.).
  - d. Tool switch in OFF position.
    - (1) Before plugging in cord.
    - (2) When power is interrupted.
    - (3) While carrying plugged-in tool.
  - e. Operator maintenance of tools:
    - (1) Regularly or irregularly.
    - (2) Type of maintenance (cleaning, sharpening, oiling, etc.).
  - f. Accessories (recommended by manufacturer, other).
  - g. Repair to tools:
    - (1) Reasons (slight defects, major malfunctions).
    - (2) Repairer (owner, repair shop, other).
  - h. Clamps or vise to hold work.
  - i. Extension cord (UL-approved, heavy-or light-duty, wire size and length, etc.).
  - j. Tool storage:
    - (1) Location
    - (2) Conditions (dry, secure, damp, dusty, etc.).
2. SPECIFIC PRODUCT FACTORS. Describe the following:
  - a. Plug (three-prong, two-prong adapter, other).
  - b. Guards (in place, operable, removed, wedged, etc.).
  - c. Cords (UL approved, other).
3. SPECIFIC HUMAN FACTORS. Determine the following:

## Appendix 64

- a. Victim's action while operating tools.
  - (1) Tool speed used (designed speed, too fast, too slow, etc.).
  - (2) Overreaches
  - (3) Dusts away chips or sawdust.
- b. Status of tool while victim adjusts or changes bits, blades, etc. (disconnected from power source, switch on/off, etc.).
- c. Operator's actions before leaving tool.
  - (1) Insured that tool came to complete stop.
  - (2) Disconnected tool from power source.
- d. Clothing and other apparel.
  - (1) Type.
  - (2) Fit.
- e. Personal safety equipment worn by victim (safety glasses, goggles, dust mask, rubber footwear, etc.).
- f. Operator's statement as to tool's good points and bad points.