Appendix 64

POWER TOOLS

1.   <u>INVESTIGATIVE PROCEDURES</u>. 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.   <u>SPECIFIC PRODUCT FACTORS</u>. 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.   <u>SPECIFIC HUMAN FACTORS</u>. Determine the following:

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        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.