Hand and Portable Power Tools

Outline

OBJECTIVES

Discuss Program Requirements.

Discuss The Types of Tools.

Discuss Selection Criteria.

Discuss Inspection Requirements.

Discuss Basic Skills in Hazard Recognition & Control.

Discuss OSHA’S Requirements for Tool Safety.

Discuss Tool Safety’s Role in Today’s Industry.

Discuss Use, Storage and Maintenance Requirements.

**General Industry (29 CFR 1910)**

**◾1910 Subpart P, Hand and portable powered tools and other hand-held equipment ◦1910.241, Definitions**

**◦1910.242, Hand and portable powered tools and equipment, general**

**◦1910.243, Guarding of portable powered tools**

**◦1910.244, Other portable tools and equipment**

**◾1910 Subpart R, Special industries ◦1910.266, Logging operations [related topic page]**

**◾1910 Subpart T, Commercial diving operations [related topic page] ◦1910.422, Procedures during dive**

**Shipyard Employment (29 CFR 1915)**

**◾1915 Subpart H, Tools and related equipment ◦1915.131, General precautions**

**◦1915.132, Portable electric tools**

**◦1915.133, Hand tools**

**◦1915.134, Abrasive wheels**

**◦1915.135, Powder actuated fastening tools**

**◦1915.136, internal combustion engines, other than ship's equipment**

**Marine Terminals (29 CFR 1917)**

**◾1917 Subpart C, Cargo handling gear and equipment ◦1917.51, Hand tools**

**Longshoring (29 CFR 1918)**

**◾1918 Subpart G, Cargo handling gear and equipment other than ship's gear ◦1918.69, Tools**

**Construction Industry (29 CFR 1926)**

**◾1926 Subpart I, Tools - hand and power ◦1926.300, General requirements**

**◦1926.301, Hand tools**

**◦1926.302, Power-operated hand tools**

**◦1926.303, Abrasive wheels and tools**

**◦1926.304, Woodworking tools**

**◦1926.305, Jacks-lever and ratchet, screw, and hydraulic**

**◦1926.306, Air receivers**

**◦1926.307, Mechanical power-transmission apparatus**

**TRAINING REQUIREMENTS**

Establish Proficiency in The Use of Tools.

Explain Inspection Requirements of Tools.

Conduct Training Prior to Job Assignment.

Explain Why a Particular Tool has been selected.

Explain Proper Maintenance and Storage of Tools.

Explain the Potential Problems Associated with Tools.

Explain The Nature, Extent and Effects of Tool Hazards.

Explain The Operation, Capabilities, and Limitations of Tools.

**RETRAINING REQUIREMENTS**

New Hazard or Tools.

Program Related Injury.

Change in Job Assignment.

New Hazard Control Methods.

Failure in the Safety Procedures.

Reason to Doubt Employee Proficiency.

**IMPLEMENTATION OF A TOOL SAFETY PROGRAM**

Establish responsibility.

Establish a corporate policy and develop rules.

Conduct a tool safety survey of the facility.

Eliminate hazardous tools where possible.

Conduct employee training.

Provide protection where hazard elimination is not possible.

Perform inspections and maintenance.

Periodically audit the program.

Modify policies and rules as appropriate.

**TOOL DESIGN AND SELETION**

**SELECTION AND HAZARD RECOGNITION**

Axes

Crowbars

Screw Drivers

Hammers

ETC… ETC…

**TOOL STORAGE**

**TOOL MAINTENANCE**

**MODIFIED TOOLS**

**INSPECTION AND CARE**