



Module 6.1.4.4 SPECIFIC ACTION PLAN HAND TOOLS

HEALTH AND SAFETY ACTION PLAN FOR REPAIR AND CONSTRUCTION PROJECTS AT THE JOHN H. CHAPMAN SPACE CENTRE

General

All portable electric tools used by the operators must meet the standards set out in CSA Standard CAN C22.2 no.71.1-M89, *Portable Electric Tools*, the English version of which is dated September 1989.

Every machine that has exposed moving, rotating, electrically charged or hot parts, or that processes, transports or handles material that constitutes a hazard to the operators, must be equipped with a machine guard that:

- a) prevents the operator or any part of the operator's body from coming into contact with the parts or material;
- b) prevents access by the operator to the area of exposure to the hazard while operating the machine; or
- c) makes the machine inoperative if the operator or any part of the operator's clothing is in or near a part of the machine that is likely to cause injury.

So far as is reasonably practicable, a machine guard may not be removable.

1. Portable stone saws, stone chisels or other hand tools for the same purpose

When using a portable stone saw, stone chisel or other similar tool where there is very little ventilation, the operator must wear breathing protection (a half-face mask with filter).

At all times, including when filling the gas tank, the operator must wear at least protective glasses or a face shield.

The operator must wipe any traces of gas or oil from the tool and start it at least 3 m from where the gas tank was filled.

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2. Chain saws

At all times, including when filling the gas tank, the operator must wear at least protective glasses or a face shield.

When using a chain saw, the operator must wear gloves and a Class G helmet.

The operator must wipe any traces of gas or oil from the tool and start it at least 3 m from where the gas tank was filled.

Adjustments and lubrication may only be done while the equipment is not running.

3. Power fastening tools

Only low-velocity fastening tools that meet the standards set out in Z-166-1975 may be used on the Space Centre site.

Users must at all times wear a Class G helmet, hearing protection and at least protective glasses or a face shield.

The operator must be age 18 or older, hold an operator's certificate as stipulated in Appendix 8 of the Safety Code for the construction industry (RRQ 1981) and be trained in the safe operation, inspection and maintenance of the tool.

The contractor must do preventive maintenance by routinely inspecting the tool.

4. Circular saws

All circular saws must be fitted with a protective guard covering the exposed parts up to the base of the teeth.

The tool must be grounded or double-insulated.

5. Any electric instrument used for cutting

Any instrument used for cutting must be fitted with the manufacturer's safety guards.



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The tool must be grounded or double-insulated.

6. Pneumatic hammer

The operator must at all times wear a Class G helmet, hearing protection, and at least safety glasses or a face shield.