

to the extent that adjustments or testing cannot be performed without motion or activation, provided that persons are effectively protected from hazardous motion.

**§ 56.14106 Falling object protection.**

(a) Fork-lift trucks, front-end loaders, and bulldozers shall be provided with falling object protective structures if used in an area where falling objects could create a hazard to the equipment operator.

(b) The protective structure shall be capable of withstanding the falling object loads to which it would be subjected.

**§ 56.14107 Moving machine parts.**

(a) Moving machine parts shall be guarded to protect persons from contacting gears, sprockets, chains, drive head, tail, and takeup pulleys, flywheels, couplings, shafts, fan blades, and similar moving parts that can cause injury.

(b) Guards shall not be required where the exposed moving parts are at least seven feet away from walking or working surfaces.

**§ 56.14108 Overhead drive belts.**

Overhead drive belts shall be guarded to contain the whipping action of a broken belt if that action could be hazardous to persons.

**§ 56.14109 Unguarded conveyors with adjacent travelways.**

Unguarded conveyors next to the travelways shall be equipped with—

(a) Emergency stop devices which are located so that a person falling on or against the conveyor can readily deactivate the conveyor drive motor; or

(b) Railings which—

(1) Are positioned to prevent persons from falling on or against the conveyor;

(2) Will be able to withstand the vibration, shock, and wear to which they will be subjected during normal operation; and

(3) Are constructed and maintained so that they will not create a hazard.

**§ 56.14110 Flying or falling materials.**

In areas where flying or falling materials generated from the operation of

screens, crushers, or conveyors present a hazard, guards, shields, or other devices that provide protection against such flying or falling materials shall be provided to protect persons.

**§ 56.14111 Slusher, backlash guards and securing.**

(a) When persons are exposed to slushing operations, the slashers shall be equipped with rollers and drum covers and anchored securely before slushing operations are started.

(b) Slashers rated over 10 horsepower shall be equipped with backlash guards, unless the equipment operator is otherwise protected.

(c) This standard does not apply to air tuggers of 10 horsepower or less that have only one cable and one drum.

**§ 56.14112 Construction and maintenance of guards.**

(a) Guards shall be constructed and maintained to—

(1) Withstand the vibration, shock, and wear to which they will be subjected during normal operation; and

(2) Not create a hazard by their use.

(b) Guards shall be securely in place while machinery is being operated, except when testing or making adjustments which cannot be performed without removal of the guard.

**§ 56.14113 Inclined conveyors: backstops or brakes.**

Backstops or brakes shall be installed on drive units of inclined conveyors to prevent the conveyors from running in reverse, creating a hazard to persons.

**§ 56.14114 Air valves for pneumatic equipment.**

A manual master quick-close type air valve shall be installed on all pneumatic-powered equipment if there is a hazard of uncontrolled movement when the air supply is activated. The valve shall be closed except when the equipment is being operated.

**§ 56.14115 Stationary grinding machines.**

Stationary grinding machines, other than special bit grinders, shall be equipped with—