

DON'T GET CARRIED AWAY WORKING AROUND CONVEYOR BELTS



INJURY LOCATIONS AT CONVEYOR BELTS

- ◆ CAUGHT BETWEEN CONVEYOR BELT AND IDLER OR PULLEY
- ◆ CAUGHT IN DRIVE CHAIN OR GEAR DRIVE
- ◆ TRAPPED BETWEEN MAJOR COMPONENTS OF SYSTEM



HAZARDS ASSOCIATED WITH CONVEYOR BELTS



- ◆ FALL OF PERSON
- ◆ FALLING MATERIALS OR OBJECTS
- ◆ FIRE
- ◆ ELECTROCUTION
- ◆ SLIP/TRIP/FALL INJURIES
- ◆ STRAINS/SPRAINS

56/57.14105 PROCEDURES DURING REPAIR AND MAINTENANCE

Repairs or maintenance of machinery or equipment shall be performed only after the power is off, and the machinery or equipment blocked against hazardous motion. Machinery or equipment motion or activation is permitted to the extent that adjustments or testing cannot be performed without motion or activation, provided that persons are effectively protected from hazardous motion.



56/57.14107(a) MOVING MACHINE PARTS

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.



56/57.14108 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



56/57.14109 UNGUARDED CONVEYORS WITH ADJACENT TRAVELWAYS

- ◆ Unguarded conveyors next to 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

CONVEYOR BELT WITH EMERGENCY STOP DEVICE



56/57.14109 UNGUARDED CONVEYORS WITH ADJACENT TRAVELWAYS

Unguarded conveyors next to travelways shall be equipped with emergency stop devices 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.

CONVEYOR BELT WITH HAND RAILS



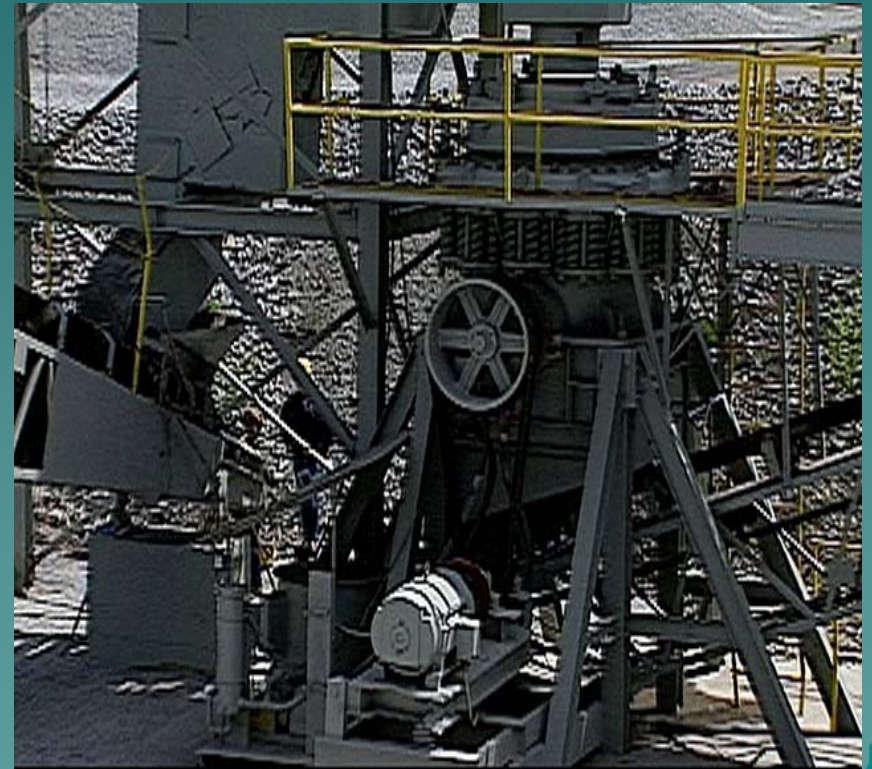
56/57.14201 CONVEYOR START-UP WARNINGS

- (a) When the entire length of a conveyor is visible from the starting switch, the conveyor operator shall visually check to make certain that all persons are in the clear before starting the conveyor.



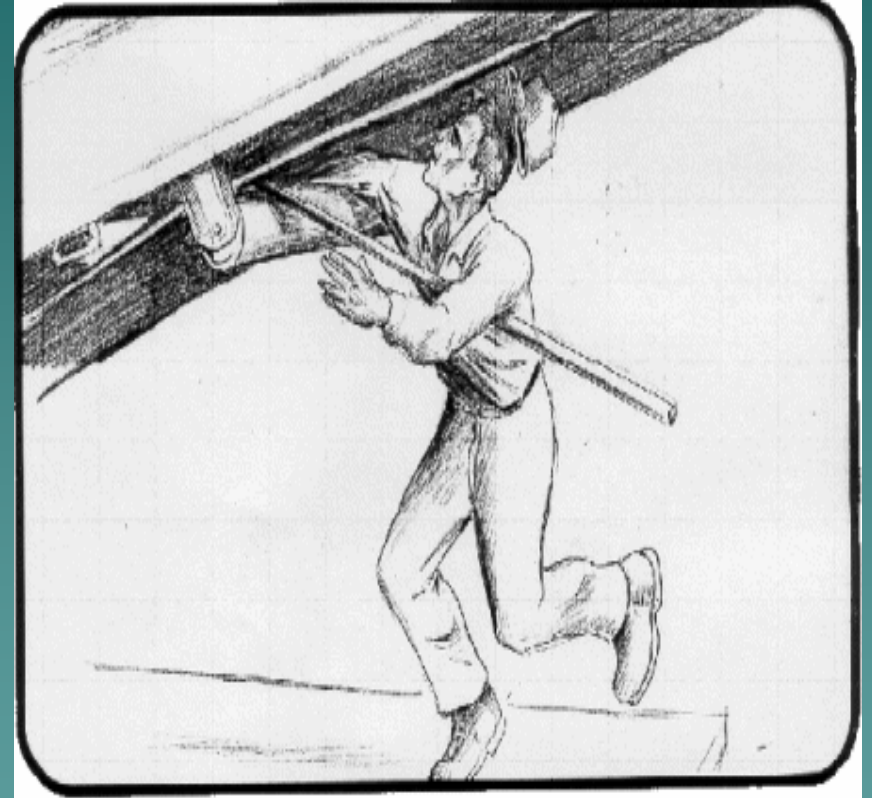
56/57.14201 CONVEYOR START-UP WARNINGS

(b) When the entire length of the conveyor is not visible from the starting switch, a system which provides visible or audible warning shall be installed and operated to warn persons that the conveyor will be started. Within 30 seconds after the warning is given, the conveyor shall be started or a second warning shall be given



56/57.14202 MANUAL CLEANING OF CONVEYOR PULLEYS

Pulleys of conveyors shall not be cleaned manually while the conveyor is in motion.



56/57.12016 WORK ON ELECTRICALLY POWERED EQUIPMENT

- ◆ Electrically powered equipment shall be de-energized before mechanical work is done on such equipment
- ◆ Power switches shall be locked out
- ◆ Suitable warning notices shall be posted at the power switch
- ◆ Notices shall be signed by individuals who are to do the work
- ◆ Such locks shall be removed only by persons who installed them or by authorized personnel

LOCKOUT AND TAGOUT



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