

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY STANDARDS

Filed with the Secretary Of State May 22, 2015

These rules become effective immediately upon filing with the Secretary of State unless adopted under section 33, 44, or 45a(6) of 1969 PA 306.

Rules adopted under these sections become effective 7 days after filing with the Secretary of State.

(By authority conferred on the director of the department of licensing and regulatory affairs by sections 16 and 21 of 1974 PA 154, MCL 408.1016 and 408.1021, and Executive Reorganization Order Nos. 1996-2, 2003-18 2003-1, 2008-4, and 2011-4, MCL 408.1016, 408.1021, 445.2001, 445.2011, 445.2025, and 445.2030)

R 408.14511, R 408.14522, and R 408.14555 of the Michigan Administrative Code are amended, and R 408.14502 is added, and R 408.14527 is rescinded, as follows:

PART 45. DIE CASTING

R 408.14502 MIOSHA referenced standards.

Rule 4502. The following Michigan occupational safety and health (MIOSHA) standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

(a) General Industry Safety Standard Part 23 "Hydraulic Power Presses," R 408.12301 to R 408.12373.

(b) General Industry Safety Standard Part 33 "Personal Protective Equipment," R 408.13301 to R 408.13398.

R 408.14511 Personal protective equipment.

Rule 4511. (1) Eye protection with side shields shall be provided and used by an employee operating a die casting machine or tending a melting or holding furnace, as prescribed in **General Industry Safety Standard Part 33 "Personal Protective Equipment," as referenced in R 408.14502.** ~~general industry safety standard, Part 33. Personal Protective Equipment, being R 408.13301 et seq. of the Michigan Administrative Code.~~

(2) Except for the operator of a cold chamber machine, a face shield shall be provided and used by an employee handling molten metals or tending a furnace, as prescribed in **General Industry Safety Standard Part 33 "Personal Protective Equipment," as referenced in R 408.14502.** ~~general industry safety standard, Part 33. Personal Protective Equipment, being R 408.13301 et seq. of the Michigan Administrative Code.~~

(3) An employee manually tending a die casting machine or a melting or holding furnace shall wear clothing which will cover the arms to hands, legs to feet and have the feet covered with hard soled shoes. Spats or leggings shall be provided to the employee, at no expense to the employee and used by an employee manually ladling a cold chamber die casting machine, tending a melting or holding furnace or transferring molten metal unless the employee wears moulders shoes with pant legs covering the tops.

(4) Other personal protective equipment required for the hazards as described in **General Industry Safety Standard Part 33 "Personal Protective Equipment," as referenced in R 408.14502,** ~~general industry safety standard, Part 33. Personal Protective Equipment, being R 408.13301 et seq. of the Michigan Administrative Code,~~ shall be provided by the employer to an employee, at no expense to the employee.

(5) Open sandals, cloth shoes, exposed rings, or necklaces shall not be worn in the work areas. Rings covered by gloves or tape shall not be regarded as exposed.

R 408.14522 Machine controls.

Rule 4522. (1) An operating control on a machine, except a stop button, shall be so located or guarded to prevent accidental contact.

(2) A machine requiring more than 1 operator shall have controls for each operator which shall be activated concurrently before the machine will operate as prescribed in R 408.14541(1).

(3) A machine shall be provided at each work station with a **non-concealed** ~~nonconcealed~~ emergency stop device distinguished by its size or color.

(4) A machine shall be equipped so that upon power failure it will not automatically restart upon restoration of the power.

(5) An automatic die casting machine shall be equipped with a time delay device or circuit that will prevent the machine from recycling if more than 2 seconds delay occurs between the automatic demand for recycle and its commencement. It shall be necessary for the operator to reset the controls before the machine will restart. Other equivalent means may be used that will prevent recycling until the machine is cleared if the intent of this subrule is met.

(6) A safety interlock, exposed to contact, shall be guarded against accidental actuation.

R 408.14527 **Rescinded.** ~~Lubrication.~~

~~Rule 4527. Machine lubrication shall be accomplished by 1 of the following:~~

~~(a) Scheduling when the machine can be shut off and locked out.~~

~~(b) An automatic pressure or gravity feed system.~~

~~(c) An extension pipe leading to an area outside of guards or away from any hazard.~~

~~(d) Other means of lubrication which offer equivalent or greater safety than subdivision (a), (b), or (c).~~

R 408.14555 Sprue cutting machines.

Rule 4555. A sprue cutting machine shall be equipped with a point of operation guard or point of operation device as prescribed in **General Industry Safety Standard Part 23 "Hydraulic Power Presses," as referenced in R 408.14502.** ~~the general industry safety standard, Part 23. 'Hydraulic Power Presses,' R 408.12301 to R 408.12371 of the Michigan Administrative Code.~~