

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS ~~CONSUMER AND INDUSTRY SERVICES~~

~~DIRECTOR'S OFFICE BUREAU OF SAFETY AND REGULATION~~

~~GENERAL INDUSTRY SAFETY STANDARDS COMMISSION~~

Filed with the Secretary of State on August 27, 2013

**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** ~~general industry safety standards commission~~ by sections 16 and 21 of ~~1974 PA Act No. 154~~ and **Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, and 2011-4, MCL 445.2001, 445.2011, 445.2025, and 445.2030** of the Public Acts of 1974, as amended, being ~~SS408.1016 and 408.1021 of the Michigan Compiled Laws~~)

R 408.11913, R 408.11921, R 408.11937, and R 408.11957 of the Michigan Administrative Code are amended and R 408.11902 is added to the Code, as follows:

PART 19. CRAWLER, LOCOMOTIVE, AND TRUCK CRANES

**R 408.11902 Adoption of standards by reference.**

**Rule 1902. (1) The following standards are adopted by reference in these rules and are available from IHS Global, 15 Inverness Way East, Englewood, Colorado, 80112, USA, telephone number: 1-800-854-7179 or via the internet at website: <http://global.ihs.com>; at a cost as of the time of adoption of these rules, as stated in this subrule.**

**(a) American Society of Mechanical Engineers (ASME) Standard ASME B30.5 "Crawler, Locomotive and Truck Cranes," 1968 edition. Cost: \$60.00.**

**(b) American National Standard Institute (ANSI) Standard, ANSI B30.15 "Mobile Hydraulic Cranes," 1973 edition. Cost \$60.00.**

**(2) The standards adopted in subrule (1) of this rule are also available for inspection at the Department of Licensing and Regulatory Affairs, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143.**

**(3) Copies of the standards adopted in subrule (1) of this rule may be obtained from the publisher or may also be obtained from the Department of Licensing and Regulatory Affairs, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost charged in this rule, plus \$20.00 for shipping and handling.**

**(4) The Michigan occupational safety and health standard Construction Safety Standard Part 10 "Lifting and Digging Equipment," R 408.41001a to R 408.41075a, is 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 standards section, 7150 Harris Drive, P.O. Box 30643, Lansing, MI, 48909-8143 or via the internet at website: [www.michigan.gov/mioshastandards](http://www.michigan.gov/mioshastandards). For quantities greater than 5, the cost, at the time of adoption of these rules, is 4 cents per page.**

R 408.11913 Operator selection.

**Rule 1913. (1) An employer shall be able to demonstrate that an employee is trained and qualified to operate the equipment prior to authorizing the employee to operate the equipment. A permit system may be used to comply with this rule. An employee selected to operate a crawler, locomotive or truck crane shall meet the following requirements:**

~~(a) Have corrected vision that meets the same requirements as vision for a valid Michigan driver's license. Possession of a Michigan driver's license or a doctor's certificate is evidence of meeting this requirement.~~

~~(b) Have effective use of all 4 limbs.~~

~~(c) Be of a height sufficient to operate the controls and to have an unobstructed view over the controls into the work area.~~

~~(d) Have coordination between eyes, hands, and feet.~~

~~(e) Be free of known convulsive disorders and episodes of unconsciousness.~~

~~(f) Be able to hear and understand conversational levels of sound in an ordinary office environment.~~

~~(g) Be able to read and understand signs, labels, and instruction manuals.~~

**(2) An employee assigned to operate a crawler, locomotive, or truck crane shall have his or her ability to meet the minimum requirements in this rule verified not less than every 3 years.**

July 17, 2012

~~(3) The requirements of this rule, except subrule (1)(e) of this rule, may be waived for an existing employee operating a crawler, locomotive, or truck crane, on the effective date of this part, who has demonstrated his or her ability to perform the duties in a safe manner.~~

## CONSTRUCTION

R 408.11921 Construction; standards.

Rule 1921. (1) A crawler, locomotive or truck crane, purchased or modified after **December 28, 1974**, ~~the effective date of this part~~, shall be as prescribed in Chapter 501 and Section 5-2.2 of Chapter 5-2, **ASME USAS B30.5 -1968**, "Crawler, Locomotive and Truck Cranes," **1968 edition, as adopted in R 408.11902**. ~~which are incorporated herein by reference and which are available for inspection at the Lansing office of the department of consumer and industry services. These standards may be purchased from the American National Standards Institute, 1430 Broadway, New York, New York 10018, or from the Michigan Department of Consumer and Industry Services, State Secondary Complex, 7150 Harris Drive, Box 30643, Lansing, Michigan 48909, at a cost of \$3.00 each.~~

(2) A mobile hydraulic crane purchased or modified after **December 28, 1974**, ~~the effective date of this part~~ shall be as prescribed in Chapter 15-1 and Section 15-2.2 of Chapter 15-2, ANSI B30.15 -1973, "Mobile Hydraulic Cranes," **1973 edition, as adopted in R 408.11902**. ~~which are incorporated herein by reference and which are available for inspection at the Lansing office of the department of consumer and industry services. These standards may be purchased from the American National Standards Institute, 1430 Broadway, New York, New York 10018, or from the Michigan Department of Labor and Economic Growth, State Secondary Complex, 7150 Harris Drive, Box 30643, Lansing, Michigan 48909, at a cost of \$4.50 each.~~

(3) A crawler, locomotive, or truck crane purchased after August 31, 1971, shall be modified to conform to Chapter 5 and Section 5-2.2 of Chapter 5-2 of ~~the ASME USAS standard~~, B30.5 -1968, "Crawler, Locomotive, and Truck Cranes" **1968 edition** or Chapter 15-1 and Section 15-2.2 of Chapter 15-2 of ~~ANSI standard~~, B30.15 -1973, "Mobile Hydraulic Cranes," **1973 edition, as adopted in R 408.11902**.

R 408.11937 Work platform requirements.

Rule 1937. If a work platform is attached to the loadline of a crawler, locomotive, or truck crane, the employer shall comply with the provisions of Construction Safety Standard Part 10 "Lifting and Digging Equipment," **as referenced in R 408.11902**. ~~being R 408.41001 et seq. of the Michigan Administrative Code.~~

R 408.11957 Tests for crawler, locomotive and truck cranes.

Rule 1957. (1) A crawler, locomotive or truck crane, prior to initial use and after modification, shall be given an operational test to insure compliance with this part, including the following:

- (a) Load hoisting and lowering mechanisms.
- (b) Boom hoisting and lowering mechanisms.
- (c) Travel mechanism.
- (d) Safety devices.
- (e) Boom extension mechanisms for a mobile hydraulic crane.

(2) A test load for a crawler, locomotive or truck crane shall not exceed 110% of the rated load at any working radius.

(3) Results of operational tests and load tests shall be maintained at the job site.

(4) Where rerating is necessary, it shall be as prescribed in Section 5-2.2 of Chapter 5-2 of **ASME USAS-B30.5 -1968**, "Crawler, Locomotive and Truck Cranes," ~~standard,~~ **1968 edition, as adopted in R 408.11902**. Rerating shall not be in excess of the original load rating unless a letter of approval is obtained from the manufacturer and maintained at the job site.