**Overhead Hoists Load Test Requirements**

*as per*

**American National Standard ASME B30.16-2007**

Section “16.2.2.2 Load Test”, states:

(a) Hand Chain-Operated Hoists

(1) New hoists **shall** be load tested by the manufacturer as specified in paragraph (16-2.2.1(a)(1)) with a test load of not less than 125% of the rated load, except that if load testing of the hoist cannot be performed by the manufacturer, the user **shall** be notified and the load test **shall** be accomplished at another location or job site, by or under the direction of a designated person** prior to the hoist being placed in service.

(2) Hoists in which load-suspension parts have been altered, replaced, or repaired **should** be statically or dynamically load tested as determined by a qualified person**. If a qualified person determines that a load test is required, the load test **shall** be performed.

(a) If a load test is conducted, the load test **shall** be conducted by or under the direction of a designated person as specified below. Lifting and lowering functions **shall** be tested. Testing through the complete rated lift length is not required.

(b) If a load test is conducted, the test load **shall** not be less than 100% of the rated load of the hoist or more than 125% of the rated load of the hoist unless otherwise recommended by the hoist manufacturer or a qualified person.

(c) If a load test is conducted, the person conducting the load test **shall** prepare a written report of the load sustained during the test and the operations performed during the test. Reports **shall** be placed on file.

(d) The replacement of load chain is specifically excluded from this load test, however, an operational test of the hoist **should** be made in accordance with paragraph (16-2.2.1(a)(2)) prior to putting the hoist back in service.

(b) Electric-Powered or Air-Powered Hoists

(1) Complete new hoists **shall** be dynamically load tested by the manufacturer as specified in paragraph (16-2.2.1(b)(1) and (2)) with a test load of not less than 125% of the rated load, except that if load testing of the hoist cannot be performed by the manufacturer, the user **shall** be notified and the load test **shall** be accomplished at another location or job site, by or under the direction of a designated person prior to the hoist being placed in service.
(2) Hoists in which load-suspension parts have been altered, replaced or repaired should be statically or dynamically load tested as determined by a qualified person.

(a) If a load test is conducted, the load test shall be conducted by or under the direction of a designated person as specified below.

(1) Lifting and lowering functions shall be tested. Testing through complete rated lift length is not required.

2) Operation of brake(s) shall be tested.

(b) If a load test is conducted, the test load shall not be less than 100% of the rated load of the hoist or more than 125% of the rated load of the hoist unless otherwise recommended by the hoist manufacturer or a qualified person.

(c) If a load test is conducted, the person conducting the load test shall prepare a written report of the load sustained during the test and the operations performed during the test. Reports shall be placed on file.

(d) The replacement of load chain or rope is specifically excluded from this load test, however, an operational test of the hoist should be made in accordance with paragraph (16-2.2.1(b)(1) and (2)), prior to putting the hoist back in service.

(c) Test anchorages or suspensions shall be approved by a qualified person.

(*) (**) (***) (****) See CraneBuzz “Terminology” page, for definition of these references