



**Certificate of Inspection  
and Load Test Expiration**  
Harrington Hoists, Inc.  
Position on Cert. Expiration

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**INTRODUCTION**

Harrington often receives questions regarding the expiration date of the original manufacturer load test certificate (often referred to as a Certificate of Inspection and Test, CIT).

**PURPOSE & SCOPE**

The purpose of this document is to clarify Harrington's position on CIT expiration, and to provide a basis for said position. The scope of this document is limited to manual, powered hoists and lever hoists sold by Harrington Hoists, Inc.

**INFORMATION**

ASME B30.16-2012 provides the following information for hand chain operated and electric or air powered hoists (summarized).

1. New hand chain operated hoists shall be tested by the mfg as follows:
  - a. Lifting & lowering functions shall be performed under no-load conditions.
  - b. Then, a Light-load test (at least 50lb times the number of load- supporting parts of chain) to prove proper load control.
  - c. Load test of not less than 125% of rated load to prove lifting & lower functions and to prove proper load control.
  
2. New electric or air powered hoists shall be tested by the mfg as follows:
  - a. Lifting & lowering functions shall be performed under no-load conditions.
  - b. Operation of the brake shall be tested under no-load conditions.
  - c. Trip setting of limit devices shall be determined by tests under no-load conditions.

ASME B30.21-2005 provides the following information for lever hoists (summarized).

1. New lever hoists shall be tested by the mfg as follows:
  - a. No-load test to prove all functions of the hoist (a nominal light load or pull on the load hook may be required to test the lowering function).
  - b. Light-load (at least 100lb times the number of load supporting parts of chain) to prove proper load control.
  - c. Load test of at least 125% of rated load.

Both B30.16 and B30.21 require inspections of hoists after they've been placed into service. However, neither standard requires any testing except as follows:

- a. Altered or repaired hoist: Shall undergo the no-load and light-load test. Should undergo load test of not less than 100% or more than 125% of rated capacity if a qualified person determines it's required.
- b. Hoist not used in preceding 12 months: Shall undergo the no-load and light-load test. A full load test is not required.

Both B30.16 and B30.21 require an initial inspection by a qualified person to verify that all new, altered, or modified hoists comply with the standard before the initial use.



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**CONCLUSION**

Harrington asserts that the Certificate of Inspection and Load Test certificate included with every hoist is simply a record that as the manufacturer of the hoist, we have met the requirements for operational and load testing specified in the applicable ASME standards on the date indicated. This record has no expiration date. Subsequent full load testing, although recommended after repairs of modifications, is not required.

Customers that purchase a new hoist with a load test certificate that is greater than 1 year old, are required to perform an operational test to prove lifting and lowering functions, as well as a light load test of 50lbs (overhead hoists) or 100lbs (lever hoists) per load supporting part of chain to verify proper load control. This should be part of the initial inspection that the standards require of the customer/operator prior to initial use of the hoist. This could also be part of the pre-operational inspection that is required by the ASME standards prior to the start of each shift.

**END**