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DEPARTMENT OF LABOR DEVELOPMENT ADMINISTRATION
NEW YORK, N. Y.

DEPARTMENT OF LABOR
120 WEST STREET, NEW YORK, N. Y. 10038

ROBERT T. MURPHY, Commissioner
DEPARTMENT OF LABOR

JULY 7, 1970

MANUAL OF PROCEDURE
FOR THE PROCESSING AND ISSUANCE OF
CERTIFICATES OF APPROVAL AND OPERATION FOR CRANES

Categories

- I. Cranes with Booms and Jibs Less Than 250' in Length for which a Department Certificate of Inspection had been Issued after Jan. 1, 1965.
 - II. Cranes used Exclusively for Pile Driving.
 - III. New Cranes and Other Cranes with Boom and Jibs Exceeding 250' in Length.
 - IV. Issuance of Permanent Certificates of Approval and Operation for Cranes for which Temporary Certificates had previously been Issued. (3.1.2 Subd. 4 RS19-2).
- I. Cranes with Booms and Jibs Less Than 250' in Length for which a Department Certificate of Inspection had been Issued after Jan. 1, 1965.
 - A. A Certificate of Approval and Operation will be issued upon compliance with the following:
 1. Maximum boom and jib combinations will be accepted for the lengths not exceeding those indicated in the Department record.
 2. Where boom and jib lengths exceed the lengths in the Department records, evidence must be submitted that the boom and jib sections were purchased for the subject crane prior to October 17, 1969, and are compatible with the crane.
 3. The boom shall be magnafluxed by an approved welding inspection agency employing inspectors approved by the Department at the owners' cost and expense.

4. The crane shall pass a load test as follows:
 - a. The test shall be performed at two positions designated by the Department.
 - b. The final load rating shall be at least 20% less than the test loads would indicate but shall not exceed the manufacturer's rated capacity.
 - c. The load rating chart shall be revised throughout, if necessary, to reflect the results of the test.
 - d. At intermediate positions between test positions, the revisions shall be on a proportionate basis.
 - e. The test is to be performed at the cost and expense and on the sole responsibility of the owner.
 - f. The Department is to be informed at least three (3) working days in advance of the location, date, and time that the test is to be performed to enable an inspector of the Department to witness the test.

- B. A temporary Certificate of Approval and Operation will be issued for ninety (90) days, non-renewable, subject to the load test provided that Items 1, 2, and 3 had been fully complied with; and provided further that the lifting capacity on the manufacturer's load rating chart (based on 75% of the tipping capacity) are reduced 20%.

II. Cranes Used Exclusively for Pile Driving

- A. Pile driving equipment for which temporary Certificates of Approval and Operation have been issued or for which proof is submitted of operation and use in the City of New York on and after January 1, 1965 and before January 8, 1970 will receive a Certificate of Approval and Operation under the following conditions:
 1. Boom shall be completely magnafluxed by an approved welding inspection agency employing inspectors approved by the Department at the owner's cost and expense.
 2. A certification from the manufacturer that the boom was designed for the machine and was purchased prior to January 8, 1970. Where this information is not available or where the boom was purchased after January 8, 1970, design calculations must be submitted.

3. Range charts shall be submitted.
4. A load test shall be performed as follows:
 - a. The test shall be performed at two positions designated by the Department.
 - b. The final load rating shall be at least 20% less than the test loads would indicate but shall not exceed the manufacturer's rated capacity.
 - c. The load rating chart shall be revised throughout, if necessary, to reflect the results of the test.
 - d. At intermediate positions between test positions, the revisions shall be on a proportionate basis.
 - e. The test is to be performed at the cost and expense and on the sole responsibility of the owner.
 - f. The Department is to be informed at least three (3) working days in advance of the location, date, and time that the test is to be performed to enable an inspector of the Department to witness the test.

B. A temporary Certificate of Approval and Operation will be issued for ninety (90) days, non-renewable, subject to the load test provided that Items 1, 2, and 3 had been fully complied with; and provided further that the lifting capacity on the manufacturer's load rating chart (based on 75% of the tipping capacity) are reduced 20%.

III. New Cranes and Other Cranes with Booms and Jibs Exceeding 250' in Length

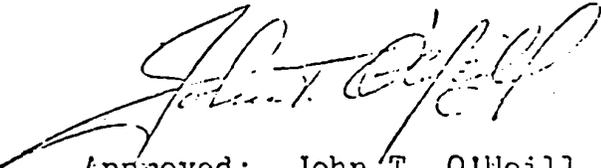
1. All new cranes and other cranes with booms and jibs exceeding 250' for which temporary Certificates have not been previously issued under Sec. 3.1.1 Subd. 4 RS19-2, shall submit design data specified in Sec. 3.1 Subd. 1, 2, and 3.

2. Non-renewable temporary Certificates of Approval and Operation may be granted for a period of ninety (90) days when the examination of the design data by the Department has established substantial compliance to the satisfaction of the Commissioner, provided that information is submitted of satisfactory quality control of the welding in the manufacture of the machine or the boom and other designated design areas are magnafluxed by an approved welding inspection agency employing inspectors approved by the Department.

IV. Issuance of Certificates of Approval and Operation for Cranes for which Temporary Certificates had Previously been Issued (3.1.1 Subd. 4 RS19-2).

The crane shall be tested as follows:

- a. The test shall be performed at two positions designated by the Department.
- b. The final load rating shall be at least 20% less than the test loads would indicate but shall not exceed the manufacturer's rated capacity.
- c. The load rating chart shall be revised throughout, if necessary, to reflect the results of the test.
- d. At intermediate positions between test positions, the revisions shall be on a proportionate basis.
- e. The test is to be performed at the cost and expense and on the sole responsibility of the owner.
- f. The Department is to be informed at least three (3) working days in advance of the location, date, and time that the test is to be performed to enable an inspector of the Department to witness the test.


Approved: John T. O'Neill
Commissioner

Date July 7, 1970