



SITE REPORT

PRACTICAL EXAMINATION - MOBILE CRANE

NCCCO has established specific conditions and guidelines that each Practical Examination Test Site must adhere to. This Site Report is designed to ensure these conditions are met. The Examiner is required to perform a site inspection prior to the start of the first examination and complete the Site Report form. The Examiner must arrive at the test site in sufficient time to verify, by measuring with a tape, the accuracy of the course layout with respect to the NCCCO Test Site Plan. The Examiner must also conduct a visual inspection of the crane for proper set-up prior to testing any applicant. This site report must be presented on demand to any Practical Test Auditor.

Please type or print neatly.

TEST SITE	DATE
NAME OF TEST SITE COORDINATOR	

Check the following items for compliance.

PRE-TEST CANDIDATE BRIEFING AREA

An indoor facility suitable for the Pre-Test Briefing of exam candidates, to include:

- Sufficient tables and chairs to seat candidates for the Pre-Test Briefing.
- Equipped with a VCR or DVD and television or computer for candidates to watch the NCCCO Practical Exam video.
- Located so that waiting candidates are unable to observe other candidates being tested.

Candidate Materials Available:

- A written description of the examination (Candidate Handbook).
- A plan view of the Test Site Layout.
- Operators Manuals and Load Charts for all cranes to be tested on, at least one extra
- Copy of those pages of the Operator's Manual dealing with operating instructions.
- One (1) copy of the complete Operator's Manual.
- Instructions for the LMI system, if the crane is so equipped.

This section is to be completed for each crane used during the testing session.

Make / Model of Crane:	Serial Number of Crane:
------------------------	-------------------------

TEST SITE SET-UP

- Entire course is level within 5% of true level.
- Zigzag Corridor has no more than a six (6) inches maximum change in elevation.
- Free of debris, stored materials, surface irregularities, or hazards such as overhead power lines, which could interfere with test maneuvers.

Using the Test Site Plan, verify the following measurements:

- Distance from the center of rotation of the crane to the center of Barrel #1.
- Distance from the center of rotation of the crane to the center of the Stop Circle.
- Distance from the center of rotation of the crane to the center of the Test Weight Circle.
- Distance from the center of rotation of the crane to the center of Barrel #2.
- Distance from the centerline of the crane to the second leg of the Zigzag Corridor.
- Distance from the centerline of the crane to the first leg of the Zigzag Corridor.
- Length of the two long sides of the Zigzag corridor.
- Length of the four short sides of the Zigzag corridor (10 ft.).
- Width of the Zigzag corridor.
- Poles placed at two (2) feet centers.

SITE REPORT (CONT'D)

Test Site #: _____

PRACTICAL EXAMINATION – MOBILE CRANE

PAGE 2 of 4

Barrels

- Two (2) empty steel drums, 22 inches diameter and 34 inches high (e.g. 55 gallon diesel drums), open at one end.
- Identified as No. 1 and No. 2 in letters large enough to be clearly seen from the operator's cab.
- For Lattice Boom Cranes only**, barrels are weighted with 20 lbs of ballast, evenly distributed in the base, so that the barrel is level.
 - The ballast does not prevent the overhaul ball from entering the barrel such that the horizontal line cannot drop below the rim.
- Each placed with a two (2) inch wide circle line, with a maximum width of 2 1/4 inches, painted around the outline of the barrel.
- Each placed on 4 feet x 4 feet sheet of CDX grade (or better) plywood.
- Secured and weighted as necessary to prevent movement.
- A spare barrel is available.

Poles

- Made of 1½ inches, white PVC pipe, SHD. 40, 36 inches long.
- Top 12 inches, painted or taped fluorescent orange or red.
- Mounted to a platform made of two layers of ¾ inch, CDX grade (or better) plywood, or high density Polyethylene (HDPE), cut 12 inches square.
- A taut, longitudinal string line placed on the ground through the centerline of each pole base.
- Spare poles and bases available.

Circles

- Start Circle is 6' - 4" outside diameter with a permitted tolerance of ± 1/2 inch, with a minimum painted line of two (2) inches wide inside the circle and located per the Test Site Plan.
- Start Circle is in line with the centerline of the crane and due left of the Test Weight Circle.
- Stop Circle is 6' - 4" outside diameter with a permitted tolerance of ± 1/2 inch, with a minimum painted line of two (2) inches wide inside the circle and located per the Test Site Plan.
- Test Weight Circle is 6' - 4" outside diameter with a permitted tolerance of ± 1/2 inch, with a minimum painted line of two (2) inches wide inside the circle and located per the Test Site Plan.

CRANE SELECTION AND SET-UP

- Crane as identified in the Test Site Plan.

Test Crane

- Set up and leveled, in the location specified, ready for operation, with engine running, in accordance with the manufacturer's recommendations.
- Boom length is as stated on Test Site Plan.
- The telescopic boom is extended to the designated length, and marked in a manner that is clearly visible from the ground to ensure the boom is not telescoped during the test.
- Rigging between the overhaul ball and the Test Weight does not exceed three (3) feet in length.
- If a second overhaul ball is used, it is attached with a sling at a distance between the bottom of the upper ball and the top of the lower ball of not more than two (2) feet.

Overhaul Ball

- 30 - 48 inches in circumference (10 - 15 inches in diameter) with a horizontal white line, two (2) inches wide, painted or taped around its center.
- A length of ¾ inch chain that can be quickly and easily attached and detached:
 - painted fluorescent orange or red
 - attached to bottom center of overhaul ball
 - measures 36 inches from bottom of hook

SITE REPORT (CONT'D)

Test Site #: _____

PRACTICAL EXAMINATION – MOBILE CRANE

PAGE 3 of 4

Test Weight

- Weight as indicated in Test Site Plan.
- Verified by a weight ticket or other type of certification documenting the actual load weight available to the Examiner.
- Cylindrical in shape.
- The diameter of the Test Weight is between two (2) feet – four (4) feet (76 – 152 inches circumference).

NOTE: 55 Gallon Drums do not meet NCCCO Test Weight requirements and CAN NOT be used.

- Height is no more than 2 x its diameter and in any case does not exceed five (5) feet in height.
- Method of attachment is by a sling not exceeding 3 ft. in length.
- A 36 inches length of $\frac{3}{8}$ inch chain.

NOTE: In order to measure the chain length, attach the Test Weight to the crane hook. Raise the Test Weight until the chain barely touches the ground and measure from the lowest edge of Test Weight to ground.

- Chain is painted fluorescent orange or red.
- Chain is attached to the bottom center of the Test Weight.

Reeving

- The test crane is reeved with a single part line over the main boom point, or jib if used.

Jibs

- Boom has no erected jib or extensions, auxiliary load line/blocks, etc. (stowed jibs/extensions are permitted), unless otherwise indicated in NCCCO Test Site Plan.

Blocking

- Matting or cribbing installed, as necessary, to provide a sound foundation for the crane.

Load Indicators

- If the crane is equipped with a load indicator or load moment indicating (LMI) system, the system must be programmed for the proper load ratings, parts of line, etc. prior to the beginning of any testing. A representative of the test host organization who is familiar with the operation of the crane, and specifically with any LMI system on the crane, must be available near the test area during the times testing is being conducted.

Test Weight Rigging

- All load supporting components must be assembled in accordance with proper rigging practice and working load limits for the hardware utilized. Any specially fabricated structural components which are part of the load supporting system must be designed and fabricated in accordance with the requirements of the current ASME B30.20 Standard, Below the Hook Lifting Devices.

Test Course Set-Up

- The Practical Examiner whose signature appears at the end of this Test Site Report attests that he/she has set up the course. *(Check only if the Practical Examiner has set up the test course.)*
- The Examiner must have the following items for conducting the Practical Exam:
 - Two (2) stop watches
 - CAD (Test Site Layout)
 - Clip Board
 - Proctor
 - Anemometer (wind meter)
 - Verbatim Instructions
 - Pen or Pencil
 - Notification of test e-mail (new test sites if applicable)
 - Two (2) foot level (minimum)
 - Personal Protective Equipment (hard hats, work boots, etc)
 - 100 foot measuring tape
 - 30 foot measuring tape

