

A02 Crawler Crane

IMPORTANT NOTICE PLEASE READ CAREFULLY TO ENSURE SITE MEETS SPECIFICATION REQUIREMENTS

Experienced Workers (must be 21 years of age or over, with at least 3 years general plant-operating experience of which 2 years must be on the category of plant /equipment applied for, if candidates are not English speaking then an interpreter must be present.

TRAINED OPERATOR ACHIEVEMENT TEST

Equipment Specification

1. Serviceable crawler crane that meets current legislation, having a maximum lift capacity of either;
 - a) 10 tonnes or below (Up to 10 tonnes endorsement **A**)
 - b) Above 10 tonnes (All sizes - endorsement **B**)

with the operator's manual.
2. Suitable loads of known weights, being:
 - Load A**
1 x Load which must be a minimum 50% load at 75% full radius of the crane.
 - Load B**
1 x load which must be within the duties chart for 2 falls of rope.
 - Load C**
1 x load which must be within the duties chart for 3 falls of rope (above 10 tonnes machines only).
3. A measuring tape of sufficient length, able to measure the maximum radius of the crane.
4. Slinger and Signaller assistance.
5. Suitable certificated lifting accessories for all loads.
6. An area with facilities for crane travel and parking, a structure(s) to place loads at a height of at least 2 metres, and able to carry out 'blind' lifts.
7. Cones/materials etc. to create restrictions for travelling and manoeuvring.

Exercise Specification

The candidate is required to:

1. Carry out full pre-start and running checks on the crane as required by the manufacturer.
2. Prepare the crane for travel, and travel to the lifting area. During the travel, pass through a restriction being no more than the width of the crane plus 800mm.
3. Position and set the crane to lift and move **Load A** and land in a designated position at ground level. The load must be placed in a position which requires the crane to be at 75% of maximum reach for **Load A**.
4. Position and set the crane to lift and move **Load B** from ground level, and land in a designated position at least 2 metres above ground level. There must be a change in radius. On completion land the load at the original start

point.

- 5a. Above 10 tonne machines only - Position and set the crane to lift and move **Load C** from ground level, rotate for at least 270°, and land at a designated point.
- 5b. 10 tonne and below machines only - Position and set the crane to lift and move **Load B** from ground level, rotate for at least 270°, and land at a designated point.
- 6 Position and set the crane to lift a load from a designated position and travel with the load suspended for a minimum distance of 10 metres. Whilst travelling execute a 90° turn. On completion land the load.
- 7 Position and set the crane to lift and move a load from a designated position and land in a position out of sight of the candidate. On completion land the load at the original start point.
8. Change the number of 'falls' on the hook block from 2 to 3, or from 3 to 2. (not applicable for under 10 tonne machines)
9. On completion of all the exercises, travel the crane to a park position, shut down and secure.

Notes:

- Before carrying out any lifts, the candidate must confirm the total weight of the load with the instructor and ensure that the Rated Capacity Indicator (R.C.I.) is programmed correctly for the falls of rope, radius boom length etc. The examining instructor must confirm that the R.C.I, programming is correct.
- Item's 3 to 8 may be carried out in any order.
- All loads must be placed within 500 mm of a given position. The instructor shall determine that position.
- All lifting and landing movements to be under directions of a signaller.
- Items 7 and 8 may be incorporated with items 3,4 or 5.