

A12 Excavator 180 Above 5 Tonnes

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 180° excavator which meets current legislation, fitted with a general purpose excavating bucket on the backhoe and a clamshell type (4 in 1) front loader bucket, **with the operator's manual.**
- 2 A vehicle(s) for loading. For front loader use this must be a rear tipping vehicle having a capacity equivalent to 5 full bucket loads of the excavator being used for the test. A forward tipping dumper may be used for backhoe use.
3. An area of ground, clear of hazards which must include:
 - a) uneven, rough terrain,
 - b) a slope(s) not less than 18% (1:5.5) incline having sufficient manoeuvring room at the top and bottom,
 - c) a flat area to allow excavations up to 2 metres deep,
 - e) a stockpile of material for loading purposes.
4. A different replacement bucket for changing purposes.
5. Cones/materials etc. to create restrictions for travelling and manoeuvring.
6. Appropriate marking, sighting and lining equipment to ensure excavation levels and centres.

Exercise Specification

The Candidate is required to:

1. Carry out full pre-start and running checks as required by the manufacturer.
2. Prepare the excavator for travel.
3. Travel to the excavating area. The route must include:
 - a) travelling up and down the incline(s),
 - b) passing through a restriction being no more than the width of the excavator plus 800mm, in a forward and reverse direction,
 - c) travelling over rough, uneven terrain.
4. Excavate 4 x trenches at right angles. The length of each trench must be 5 metres. The depth of all excavations must be 1. metre deep \pm 35mm by 1 x bucket width.
5. On completion of item 4, reinstate and compact the earthworks back to level using the applicable functions of the front loader bucket.
6. Load material into the vehicle(s) to capacity using the front loader and the backhoe. There must be a minimum of four full bucket loads using the backhoe. (the vehicle may be loaded using the backhoe whilst excavating the trenches)
7. Remove the existing bucket and attach the replacement.
8. Travel the excavator to a park position, shut down and secure.

Underpinning Knowledge

The candidate will answer one instructor derived question from each listed topic.

1. Terminology relating to a 180 Excavator's.

2. Preparation for road transport.
3. Grading techniques and clamshell bucket use.
4. Loading on and off a transporter.