



MOBILE CRANE OPERATION

Aims and Outcomes

These course aims to give candidates the necessary skills to safely operate a mobile slewing crane up to and including 60 tonnes.

On completion of the course candidates will be able to perform pre-operational checks; set-up and operate the crane competently; shut down and dismantle and perform various operations competently.



Prerequisite

It is recommended that candidates have previous experience (logged hours under supervision) and have successfully completed formal training in Rigging and Slings.

Course Content

The Mobile Crane Operation Training Plan is based on competencies within the Australian Qualification Framework (AQF):

- Legislation in the Workplace – Applicable HSE Acts and Regulations; Specific regulations and International Standards dealing with cranes; Codes of Practice where applicable, manufacturers instructions and Company Procedures.
- Plan Work - Crane type and its capacity; site requirements and rules; workplace hazards; priorities; emergency procedures.
- Lifting Gear - Inspect all lifting gear to be used; current tags and W.L.L. markings clearly visible.
- Slings Practices - Safe use of all lifting gear; correct reeving practices; correct angle factors; determine correct capacity of lifting gear; double wrap to be used at all times.
- Calculations of Loads - Calculate area; calculate volume; use other means of establishing load mass (ie. manufacturer).
- Rigging Gear - Chain blocks; chain puller; plate clamp; shackles; spreader/ lifting/ equalizing beams.
- Crane Operation - Pre-operational checks; log book; load chart and its use; areas of operation as per load chart; structural and stability areas; outrigger operation and packing; signals as per applicable Standards; shut down and parking of crane.
- Practical Training - Operate crane to manufacturers requirements; lift and move loads as directed by dogman/rigger; follow signals given by signaller/ rigger; shut down and make crane safe; where appropriate, cranes with Pin Jib configuration make and break to be included; additional counterweights for various boom lengths to be included as part of make and break.



FUTURO SKILLS

- Shut Down - All lifting gear to be inspected; crane to be inspected and any problems entered into Log Book.

Certification

On successful completion of the training, candidates will be awarded a Futuro Skills Certificate in Mobile Crane Operations.

Duration

5 days

Maximum Candidates

8 persons