



Course Objectives for N100 Excavator as a Crane

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator
- Be able to conform to manufacturers requirements as per technical data, conform to relevant regulations and legislation
- Be able to locate and identify the major components of the machine and explain their functions
- Be able to locate and identify steering, driving and braking controls and explain their functions
- Safely mount and dismount the machine
- Start and stop the engine and safely move the machine off and stop it safely
- Configure the machine for travel and manoeuvre it safely across varying terrain in open and confined areas
- Conduct all necessary safety checks at the work area
- Be able to locate, identify and explain safe working loads, lifting capacity chart and explain different lifting configurations and working ranges
- Identify and explain different lifting procedures, explain what task could fall into each category
- Identify and explain centres of gravity, calculate estimated weights of loads
- Identify any overhead / proximity hazards
- Be able to agree the signal codes / hand signals, direction of movement, safe working and safe landing, placement zone with the slinger / signaller
- Ensure excavator is in a safe condition for attachments to be fitted
- Checked load integrity and security by carrying out trial lift
- Be able to lift and move a load to a designated position in a safe and controlled manner ensuring minimum uncontrolled movement
- Environmental considerations
- Carry out all out of service and securing procedures

	Max Ratio Novice Course	Novice Course Duration	Max number of novice tests	Max number of refresher tests	Max number of experienced worker tests
Novice	3:1:1	5 Days	3	3	6
Bolt on	4:1:1	2 Days	4	4	6*

****Please note that these course objectives have been developed on the premise that the suspended loads will be slung by a dedicated, qualified, competent and authorised slinger / signaller. Where on occasion the excavator operator may be required to sling the loads they are to transport they too must be qualified, competent and authorised slinger / signallers***