



Practical Test N221 Piling Rig

Test area and sequence	<p>ACTIVITY GUIDELINES</p> <p>The learner must: -</p> <ul style="list-style-type: none"> • Ensure the test area must have all services and hazards identified to the learner before work starts • The test area must be able to facilitate rig travel and parking with a flat area for piling operations • Pre-use checks must be completed by the learner at the start of the test • Agree signals, safety zones and safe working practices before the start of the test • The shutdown procedures must be completed by the learner at the end of the test • All additional test requirements can be completed by the learner over the test duration
Operator safety and observations	<ul style="list-style-type: none"> • The risk assessment / method statement must be read and understood before work starts • The test area must be searched by a competent person and all services must be identified to the rig operator before work starts • The person assisting the piling operation must hold a suitable qualification
Travelling to work area	<p>The learner must operate the piling rig and:</p> <ul style="list-style-type: none"> • Set the Piling rig and travel to the work area • Manoeuvring the rig over varying terrain • Steer in a straight line through a restriction in both directions
Working tasks	<ul style="list-style-type: none"> • Manoeuvre the rig onto the position • On completion of piling / boring duties confirm each pile has met the required specification • Configure the rig for travel and manoeuvre to the next work position • Prepare and set up the piling rig for work • Ensure pile is plumb throughout the piling activity • If using driven piling rigs at least one of the following pile types should be used: - Steel castings, Steel box section, Steel 'H' section, Timber section, Concrete section or the type used under contract requirements • Alternatively form bored pile to specification • Ensure pile is installed to specification • Kept full control of the working area and maintained safety zones • Record completed piles and specifications
Shutdown procedures	<ul style="list-style-type: none"> • On completion of piling tasks, park in a safe position with the engine and isolator key removed and handed to the instructor • Carry out shut down and securing procedures • Load / unload rig to / from a transporter (if applicable)
Additional Notes	<ul style="list-style-type: none"> • The operator's manual must be accessible • The piling rig and ancillary equipment must be suitable, sufficient and meet the specification • A pile lay out drawing and pile schedule must be followed • A permit must be completed



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Additional Notes	<ul style="list-style-type: none"> • Items such as cones or barriers should be available to create restrictions for manoeuvring • The piling rig must be serviceable and meet the current legislation • If bore piling, suitable and sufficient equipment must be available to remove spoil • If the piling rig is working on a platform, a Working Platform Certificate should be completed by an authorised and competent person (if applicable) • If the piling rig is working on a platform, a Working Platform Inspection Log should be completed by an authorised representative of the principal contractor (if applicable) • All lifting equipment / accessories must be fit for purpose and certificated
Specifications	<ul style="list-style-type: none"> • The restriction must be 800mm plus the maximum width of the piling rig used on the test • A minimum of 4 piles must be bored / driven to completion or a minimum depth of 6m • The post placement must be within 100mm of given position • The pile measurement must be within a maximum 10° from vertical • All lifting equipment/accessories must have current test certification and be fit for purpose
Test timings	The full test must be completed within 2hrs
Note	It is recommended that all learners completing basic training receive a minimum 7hr Health, Safety, Environment and Induction Training