

Technical Test Theory

Piling Rig - Tripod A30



AN NOCN JOB CARD

No.	Question
1	What THREE main duties of The Health and Safety at Work Act must employees follow?
2	What are the THREE actions or stages that a rig operator undertakes during pre-use inspections?
3	Why are rig operators generally regarded as 'safety-critical' workers?
4	Name THREE ways in which an operator can minimise their impact upon the environment whilst using the rig.
5	What is the purpose of a risk assessment?
6	If setting up to work in a pedestrianised area, what factors should be taken into account?
7	List SIX typical subject areas that should be covered in a site induction.
8	Before leaving the rig for a rest break, after switching off the power unit, what final action must be carried out?
9	Why are driven piles generally used on contaminated sites?
10	Name TWO purposes of the driving shoe fitted to the tip of the pile or driving tube.
11	During work, the engine starts to overheat. Explain the danger if someone tries to remove the radiator or expansion tank cap.
12	Name THREE ways that the winch may be driven.

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13	What is meant by the term 'raking angle'?
14	Apart from the operator, who else may need the User's Manual?
15	If checking the oil level using a dipstick, why must gloves be worn?
16	When a tripod rig has been assembled and configured for work: a) what must be carried out before work starts and b) by whom?
17	Name FOUR different types or levels of disciplinary actions or sanctions that can be applied (by employers and judicial bodies) to operators of plant who do not comply with, or follow legislation and regulations.
18	What are the possible outcomes of facing prosecution for not complying with legislation and regulations?
19	What is meant by the term 'refusal'?
20	Name THREE ways that a rig operator can contribute in ensuring repeat business with the client or principal contractor.
21	How can a qualification or card benefit a rig operator?
22	The operator has to use a new model of rig that they are unfamiliar with. What do Regulations (i.e. LOLER 98) and other guidance require the operator to have?
23	What is the definition of, or how can a hazard be described?
24	What checks and procedures need to be made before a 'permit to dig' can be issued?

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No.	Question
25	How can the noise level of the hammering operation be reduced on: a) pre-cast types and b) cast in-situ types?
26	During the piling operation, part of the task cannot be carried out as detailed in the lift plan. a) What initially must happen to the lifting operation and b) who authorises any changes?
27	Where would you find the dolly on a percussive-driven hammer?
28	a) What is the purpose of a Method Statement and b) what is required of the operator?
29	Using the User's Manual, state the cold-starting procedure for the IC engine. Note: The User's Manual for the rig being used for the test MUST be available for reference by the candidate.
30	What is meant by 'open hole' piling?
31	What is meant by 'toeing in' when referring to the piling activity?
32	Where should the User's Manual be kept and why?
33	What does The Health and Safety at Work Act require employers to do with regards specifically to plant?

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34	a) What determines the minimum distances that any part of plant and machinery has to be kept from over head electricity lines and b) explain why a distance should be kept.
35	Why should the diesel engine of the rig be re-fuelled at the end of the day?
36	Give ONE example of where The Work at Height Regulations 1995 may apply to tripod operations.
37	What is a 'driven cast in-situ' pile?
38	a) In what sort of environments are tripod rigs normally used and b) why?
39	What particular and specific hazards can affect the stability of the rig when working on old industrial (brownfield) sites?
40	In what situation does a hard hat NOT need to be worn when operating a piling rig?