

A42 - Crusher

No.	Question
1	Why should the engine speed be set to the manufacturer's recommendations on magnet-equipped machines?
2	What TWO problems can wet weather cause?
3	What does the Health and Safety at Work Act require employers to do with regards specifically to plant?
4	When is it permitted to enter the crushing chamber area?
5	Using the Operator's Manual, state the procedure for adjusting conveyor belt tension. Note: The Operator's Manual for the machine being used for the test MUST be available for reference by the candidate.
6	What is the purpose of the sizing bars on the crusher feed?
7	If a crusher has appeared to stall, what are the THREE initial steps to take before remedial work starts?
8	Name THREE ways in which an operator can minimise their impact upon the environment whilst using the machine.
9	What FOUR steps should initially be taken should a crusher be blocked before remedial work starts?
10	List TWO items that should be considered if the operator is working alone for long periods.
11	If checking the oil level using a dipstick, why must gloves be worn?
12	If radios are to be used during the crushing operations, what FOUR actions and checks must be made by the loading and crusher operators before use?
13	Name TWO things that can cause 'bridging'.
14	Explain SIX requirements to be taken into account when positioning a crusher prior to work.

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15	a) What is the purpose of a Method Statement and b) what is required of the operator?
16	For mobile crushers, when MUST a banksman/signaller be used before moving a mobile crusher?
17	a) What is the minimum distance allowed near open trenches when travelling with a mobile crusher and b) explain why?
18	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.
19	What are the requirements for the standing for loading excavators?
20	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.
21	What is the definition of, or how can a hazard be described?
22	How can a qualification or card benefit a plant operator?
23	A previous, traditional method of clearing blockages was the use of a wedge or mouse. Explain why this method must not be used.
24	Before leaving the machine for a rest break, after switching off the machine, what final action must be carried out?
25	a) What is the purpose of a magnetic separator and b) where would it be located?
26	Apart from water, name THREE other methods that can be used to minimise dust.
27	What THREE main duties of the Health and Safety at Work Act must employees follow?
28	As far as is reasonably practical, where should crushing operations be kept clear of?
29	Apart from the operator, who else may need to use the machine's Operator's Manual?
30	Name THREE ways that a plant operator can contribute in ensuring repeat business with the client or principal contractor.

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31	What problems and hazards can soft ground cause when travelling a mobile unit across a site?
32	The operator has to use a new type of crusher that they are unfamiliar with. What do Regulations (i.e. PUWER 98) and other guidance require the operator to have?
33	Name the FOUR key causes of accidents that occur during crushing operations.
34	What are the requirements for the ramps that are to be used by loading shovels loading the crusher?
35	a) When would a harness be used and b) what determines how or what type is used?
36	If the operator has to top-up the hydraulic oil, state TWO precautions to ensure cleanliness of the system.
37	Give THREE reasons that may cause a mobile crusher to tip over sideways during travel.
38	What are the THREE actions or stages that a crusher operator undertakes during pre-use inspections?
39	If a trench has a depth of 2 metres: a) What is the minimum distance to maintain from the edge of the trench when forming stockpiles and b) explain why?
40	Why is it recommended to leave a layer of material in the feed hopper during loading?
41	What is the purpose of a risk assessment?
42	Name: a) THREE differences between 'cone' and 'jaw'-type crushers and b) ONE suitable application for each.
43	If setting up to work near a pedestrianised area, state THREE factors that need to be taken into account.
44	When using water suppression, where should the water be applied?
45	Why are plant operators generally regarded as 'safety-critical' workers?
46	If parking a mobile unit away from the working area, name THREE places where the machine should NOT be parked.
47	During work, the engine starts to overheat. Explain the danger if someone tries to remove the radiator or expansion tank cap.

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48	Name FOUR possible causes for blockages in crushers.
49	Why should a crusher be re-fuelled at the end of the day?
50	What checks should be made to stockpiled materials at the end of a working day?
51	a) Which part of the crusher applies loading or pressure to the ground and b) name ONE way that pressure can be reduced.
52	Name FIVE possible dangers to health if operating the crusher from the platform.
53	Name FIVE items of specific PPE applicable to crusher operations.
54	Give TWO reasons why the operator should have an understanding of the type of material being loaded for crushing.
55	The crusher operator has been asked to drive a mobile crusher onto a transporter/trailer. a) Who is responsible for the loading operations and b) state FOUR actions to be considered by the operator before loading commences.
56	Where should the crusher's Operator's Manual be kept and why?
57	What are the possible outcomes of facing prosecution for not complying with legislation and regulations?
58	List SIX typical subject areas that should be covered in a site induction.
59	Give TWO examples of where The Work at Height Regulations 1995 may apply to crusher operations.
60	Using the Operator's Manual, state the cold-starting procedure for the machine. Note: The Operator's Manual for the machine being used for the test MUST be available for reference by the candidate.

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61	Name THREE requirements of the Noise at Work Act 1994 that apply to crusher operations.
62	Describe ONE method of how to adjust a cone-type crusher to produce the desired aggregate size.
63	During an unblocking activity, even though the crusher may be switched off: a) what else must be done and b) why?
64	What is the meaning of this hand signal (being demonstrated by the Tester)?