

Boilermaker Mechanic Interview Questions

1. Walk me through how you would position, align, and secure structural parts or related assemblies to boiler frames, tanks, or vats of pressure vessels, following blueprints.

2. Name a time where you repaired or replaced defective pressure vessel parts, such as safety valves or regulators, using torches, jacks, caulking hammers, power saws, threading dies, welding equipment, or metalworking machinery.

3. Tell me how you would attach rigging and signal crane or hoist operators to lift heavy frame and plate sections or other parts into place.

4. Share an experience in which you successfully shared a difficult piece of information. (Make sure that the candidate has open lines of communication.)

5. Describe a time when you successfully serviced, repaired, or tested a machine or device that operates mainly by mechanical principles.

6. Tell me about your qualifications for and your experience handling vehicles and/or mechanized equipment.

7. Tell me about a recent experience you've had working with your hands.

8. How do you stay fit in order to perform physical activities that are required in the workplace?

9. Tell me how you organize, plan, and prioritize your work.

10. Share an experience when you applied new technology or information in your job. How did it help your company?

11. Share an experience in which your diligence of inspecting equipment, structures, or materials helped you identify a problem or the cause of a problem.

12. Tell me about the last time you monitored or reviewed information and detected a problem. How did you respond?

13. What kind of experience do you have shaping or fabricating parts, such as stacks, uptakes, or chutes, to

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adapt pressure vessels, heat exchangers, or piping to premises, using heavy-metalworking machines such as brakes, rolls, or drill presses?

14. What method have you found useful to locate and mark reference points for columns or plates on boiler foundations, following blueprints and using straightedges, squares, transits, or measuring instruments?

15. Name a time where you shaped seams, joints, or irregular edges of pressure vessel sections or structural parts to attain specified fit of parts, using cutting torches, hammers, files, or metalworking machines.

16. What is the most challenging part of installing manholes, handholes, taps, tubes, valves, gauges, or feedwater connections in drums of water tube boilers, using hand tools? Share an experience.

17. Share an example where you had to lay out plate, sheet steel, or other heavy metal and locate and mark bending and cutting lines, using protractors, compasses, and drawing instruments or templates.

18. Share an experience in which you oversaw the assembly, fabrication, construction, maintenance, or modification of equipment. How did you communicate to the staff what you wanted?

19. Share an experience you had in dealing with a difficult person and how you handled the situation.

20. Provide an example of a time when you successfully organized a diverse group of people to accomplish a task.