

Furnace Repairer Interview Questions

1. Tell me about an experience in which you analyzed information and evaluated results to choose the best solution to a problem.

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

3. Describe methods you have found effective to measure furnace walls to determine dimensions, then cut required number of sheets from plastic block, using saws.

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

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

6. Share an example of when you went above and beyond the "call of duty". (Look for answers that show the candidate is dependable.)

7. What kind of experience do you have relining or repairing ladles and pouring spouts with refractory clay, using trowels?

8. Share an experience in which your attention to detail and thoroughness had an impact on your last company.

9. Share your approach to tighten locknuts holding refractory stopper assemblies together, spread mortar on jackets to seal sleeve joints, and dry mortar in ovens.

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

11. Share an example when you dried and baked new linings by placing inverted linings over burners, building fires in ladles, or by using blowtorches.

12. Provide an example of when you were persistent in the face of obstacles.

13. Share an experience in which you've successfully learned how to handle a new piece of equipment?

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14. Name a time when your patience was tested. How did you keep your emotions in check?

15. What have you found to be the best way to fasten stopper heads to rods with metal pins to assemble refractory stoppers used to plug pouring nozzles of steel ladles?

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

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

18. Walk me through how you would drill holes in furnace walls, bolt overlapping layers of plastic to walls, and hammer surfaces to compress layers into solid sheets.

19. What is the most challenging part of mixing specified amounts of sand, clay, mortar powder, and water to form refractory clay or mortar, using shovels or mixing machines?

20. Provide a time when you dealt calmly and effectively with a high-stress situation.

21. Share an example when you successfully spread mortar on stopper heads and rods, using trowels, and slide brick sleeves over rods to form refractory jackets.

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

23. Provide an experience in which you were sensitive to someone's needs or feelings. How did your helpfulness affect your work environment?

24. Share an example of a time you had to gather information from multiple sources. How did you determine which information was relevant?

25. Provide a time when you worked in a rapidly evolving workplace. How did you deal with the change? (Make sure the candidate is flexible.)

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26. Name a time when you disassembled molds, and cut, chipped, and smoothed clay structures such as floaters, drawbars, and L-blocks.

27. Tell me about a time when you developed your own way of doing things or were self-motivated to finish an important task.

28. Share an experience in which your willingness to lead or offer an opinion helped your company.

29. Describe an experience in which you successfully controlled the operation of a difficult system. What made you successful?

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