

Electric Engine Mechanic Interview Questions

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

2. Describe an effective way to measure velocity, horsepower, revolutions per minute (rpm), amperage, circuitry, and voltage of units or parts to diagnose problems, using ammeters, voltmeters, wattmeters, and other testing devices.

3. What kind of experience do you have setting machinery for proper performance, using computers?

4. What is the most challenging part of reassembling repaired electric motors to specified requirements and ratings, using hand tools and electrical meters?

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

6. Share an experience in which you've successfully learned how to handle a new piece of 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. Share an example of a time you had to gather information from multiple sources. How did you determine which information was relevant?

10. Tell me about your last experience doing repair work. How did you determine what tools you needed?

11. Describe a time when you successfully serviced, repaired, calibrated, or tested a device that operates mainly by electronic principles.

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

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

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14. Tell me about the last time you performed routine maintenance on equipment. How did you determine when and what type of work was needed?

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

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

17. Walk me through how you repair and rebuild defective mechanical parts in electric motors, generators, and related equipment, using hand tools and power tools.

18. Describe methods you have found effective to inspect and test equipment in order to locate damage or worn parts and diagnose malfunctions, or read work orders or schematic drawings to determine required repairs.

19. What methods do you use to inspect electrical connections, wiring, relays, charging resistance boxes, and storage batteries, following wiring diagrams?

20. What kind of experience do you have assembling electrical parts such as alternators, generators, starting devices, and switches, following schematic drawings and using hand, machine, and power tools? Share an example.

21. How do you balance cooperation with others and independent thinking? Share an example. (Try to determine if the candidate has a cooperative attitude or is otherwise good-natured.)

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

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

24. What is the most challenging part of lifting units or parts such as motors or generators, using cranes or chain hoists, or signal crane operators to lift heavy parts or subassemblies?

25. Share a time when you willingly took on additional responsibilities or challenges. How did you successfully meet all of the demands of these responsibilities? (Make sure the candidate is a self-starter and

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can demonstrate some initiative.)

26. Provide an example when your ethics were tested.

27. Describe a time when you were able to select the best tool to do a job. How did you use reasoning skills to make the best choice?

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

29. Share an example of when you established and accomplished a goal that was personally challenging. What helped you succeed?

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

31. Name a time when your creativity or alternative thinking solved a problem in your workplace.

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

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

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

35. Please share with me an example of how you helped coach or mentor someone. What improvements did you see in the person's knowledge or skills?

36. Share an effective approach to working with a large amount of information/data. How has your approach affected your company?

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

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

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

40. Share an experience in which your ability to consider the costs or benefits of a potential action helped you choose the most appropriate action.

41. Share an experience in which personal connections to coworkers or others helped you to be successful in your work. (Make sure candidate works well with others.)

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

43. Share an experience in which your understanding of a current or upcoming problem helped your company to respond to the problem.

44. Provide an example of a time when you were able to demonstrate excellent listening skills. What was the situation and outcome?

45. Would you consider analyzing data or information a strength? How so?

46. Provide an experience that demonstrates your ability to manage time effectively. What were the challenges and results?

47. 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?

48. How would you rate your writing skills? (Ask for an example that demonstrates great writing skills.)

49. Give me an example of when you thought outside of the box. How did it help your employer?

50. Share an experience in which you successfully installed a difficult piece of equipment. What made the situation so difficult?

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51. Please share an experience in which you successfully taught a difficult principle or concept. How were you able to be successful?

52. Share an experience in which you successfully coordinated with others. How about a coordination effort that was not as successful?

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

54. Describe a time when you successfully persuaded another person to change his/her way of thinking or behavior.