



UK MARINE TRAINING CENTRE (UMTC)

SAI POOJA BUILDING, SHOP NO. 4, PLOT NO. 36, SECTOR - 34. KAMOTHE, NAVI
MUMBAI - 410 209 MAHARASHTRA, INDIA.

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Class 2 Oral's Question

Date: 21 Nov 2022

Surveyor: Douglas Mckie

Candidate: Sanjeev Nerurkar

Time: 1Hr 15 MINS

Started by checking documents .

1. Said u r approaching port n one unit needs to be overhauled asked about procedure .
2. What clearances would be taken on liner, piston, cyl head?
3. What would you do on the exhaust valve ?
4. How would you check the efficiency of your main engine ?
5. What all indicator diagrams are there and how do you take them ?
6. What can be identified from the diagrams ?
7. Which faults do you know from these diagrams ?
8. Ask about late injection . What could be the reason ?
9. Fuel properties .
10. What all values you get from fuel oil analysis ?
11. What is importance of calorific value, ignition quality, vanadium ?
12. What is importance of sulphur?
13. Other than cold corrosion why the sulphur content is closely monitored, wanted to know about emissions and lubricity?
14. Asked about Annex 6. Different regulations
15. Asked about MLC and certificates?
16. Boiler alarms and trips



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17. Boiler safety devices
18. Difference between safety valve and relief valve
19. Boiler water pH, alkalinity, chloride
20. Showed an electrical ckt. , made to identify different components .
21. A junior officer would be working on the shown ckt how would you assure the system is safe to work before allowing him to work.
22. After isolation where on the ckt will you check that the ckt is dead, without live line tester ?
23. What is Megger? How would you take insulation resistance of a motor ?
24. Which fixed fire fighting system on-board your ship ?
25. CE is dead . How would you release the CO2 ?
26. How is co2 stored ?
27. Other than co2 bottle , other ways to store co2 in fixed fire fighting systems
28. Main switch board safeties ?
29. How would you check over current trip ?
30. How would you know the ship is NOX compliant, wanted certificates and box tech file, also asked if all engines require eiapp ?
31. You have first time 3E on-board . How will you make sure whether he can independently do his watchkeeping duties ?