



UK MARINE TRAINING CENTER (UMTC)

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SAI POOJA BUILDING, SHOP NO. 4, PLOT NO. 36, SECTOR - 34. KAMOTHE, NAVI
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Class 1 Oral's Questions

Date: 06/09/2023

Examiner: Nick philips

Candidate name: Vikrant Saini

Duration: 45 mins

Result: Pass

Documents check and types of ships I have sailed on. Questions may not be in order.

1. Taking over as chief engineer in brief.
2. How will you ensure your crew rest hours are complying as Chief engineer.
3. Where do you find rest hour onboard. (I said it should be a part of PMS system in Rest hour and working arrangement, on my last vessel it was in a sea roaster tab)
4. Bunkering in brief.
5. Marpol annex VI, in detail.
6. How will you calculate the ODP value of your refrigerant gas. I was not sure but have read it somewhere that one chlorine contain 10 power 5 ODP same I told him and then he moved on, but it's my suggestion to look for the exact calculation)
7. Again on MLC How will you take care of your crew as per MLC other than rest hours. (I explained Title 3 in detail but some cross question in between)
8. Hot water regulation with respect to temperature. (60 degree Celsius)
9. Consequences of more and less temperature in the calorifier and pipeline. (I said thermal stress as it is passing through colder region, if less temperature Bacterial growth, corrosion, rusted pipe may rupture without warning, please go through MGN 525 EVERYTHING MENTIONED THERE WITH RESPECT TO FRESH WATER, FOOD AND ALL, ITS WORTHWHILE)
10. What is sterilizer and working (he was asking deeply) Initially I got confused with sterilizer and mineraliser. But somehow I managed, actually whenever you will go off track he will try to bring you back to the right path, if you catch it then it's your luck otherwise he will make a note of it. (It controls the spread of microorganisms in water by killing them especially destroying their DNA or simply making them permanently inactive. Using UV light to sterilize water is a residue-free method to make water safe for drinking without making it taste awful or adding any odor.)
11. Other methods other than sterilisation. (Blank, I said I know only one, but I will definitely look into this after the exam)
12. Statutory certificates and their survey duration. (Marpol, solas and ISM)
13. Main switch board survey in detail. (I was Well prepared for this one)



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14. ODMS calibration duration.
16. As a chief engineer how will you ensure your bunker is compliant.
17. Reasons for turbocharger nozzle ring fouling.
18. What is hot corrosion .
19. Your action as chief engineer if your nozzle ring is fouling.
20. Boiler water test and reason for each test and its effect also boiler is open checks in water drum and furnace side - this is standard question.
21. Your second engineer reported to you that the Boiler hydrazine chemical is NIL ROB. Your action as chief engineer.
22. High lift safety valve.
23. How will you ensure your engine room is safe from fire , How will you train your crew with respect to fire .
25. Where will you find whether they are trained or not what type of training is given with respect to fire how will you train them.
26. Blackout how your emergency generator started. (looking for time taken to come on load only)
27. Emergency supplies (In this i forget to mention Emergency steering S/G but he helped me , he said you missed something very important with respect to your navigation , then straight way i said EMer S/G. And he moved on
28. Again he came back to taking over during taking over you said you will meet master , what conversation you will have with him .(Departure information, due survey, Condition of ship any recent incident or accident , Any urgent matter need to be focus on , how is the cargo operation is going on and type of cargo ,Vessel current performance and KPI rating)
29. Sox and nox limit and method of reducing.(Sox - open , closed and hybrid --- Nox - SCR , DWI , Exhaust gas recirculation, miller cycle)
30. Drydock preparation just before entering the dock .(No cross question here)
31. Chief engineer standing order in detail.(Please prepare it properly , for this he was happy with me , I mentioned around 29 points)
32. How do you ensure that all safety protocols are followed when working in an engine room?(Offcourse explained him as per ISM).
- 33 . Water sprinkler working.
34. F.o and L.o analysis checks and effect. (cross question in fo analysis but nothing in lube oil).

This is what i remember

Finally he said the golden words pass . Mr. Nick philips is helpful , i asked him two times to rephrase the question same he mentioned before starting the exam that if you dont get the question , i will rephrase it in better way.