



UK MARINE TRAINING CENTER (UMTC)

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

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Class 1 Oral's Questions

Date: 29-NOV-2023

Examiner: Zorul Haq

Candidate name: Lalit.S.Arbedwar

Duration: 1Hr

Result: Pass

Checked documents, past sea service.

1. Have you worked on Medium Speed engines.
2. Structural difference between 2-Stroke and 4-Stroke engines.
3. How is the lubrication in 2-Stroke and 4-Stroke.
4. What is the difference in the two grades of oil used.
5. What was the type of coupling for Intermediate Shaft on last vessel. (Conventional Flange Type)
6. How the torque is transmitted. (Coupling Bolts)
7. Is it only the coupling bolts only transmitting the complete torque. (Flanges)
8. What is the arrangement of coupling bolt to keep shaft aligned.
9. In DryDock, how will you withdraw the propeller shaft & the Intermediate shaft.
10. What will you check on the tailshaft. (explained everything)
11. How will you take wear down measurement. (Explained process)
12. Now tailshaft and Intermediate shaft are connected, what next. (Explained about eccentricity, limits and seal damage)
13. What is the method to check shaft alignment. (Jacking up, strain guage, sag, light)
14. Explain any method. (Explained jacking method, hysteresis)
15. During inspection you found intermediate bearing heavily scored, What will you check for. (Explained about lubrication, foreign particles, engine imbalance, misalignment of intermediate bearing casing)
16. What is ISM. (Explained complete ISM definition, objective, how it is implemented, SMS, DOC, SMC)
17. Tell me one code of ISM. (Master's responsibilities & dutes)
18. Explain (Implement safety & pollution prevention policy, give appropriate orders etc)
19. What is master's overriding authority. Give example. (Narrated a scenario of pilot onboard giving wrong instruction during narrow passage, master can nterrupt and company owner also cannot challenge master's decision when safety of life and ship is on stake).
20. What are the equipment's under IOPP. (OWS,ODMCS, he was expecting more for tankers)
21. What will you do if OWS is not working and can't be repaired. (Inform office, flag, class, and take dispensation)
22. On which basis you will get dispensation. (Class will suggest alternative solution, which we have to follow to get dispensation)



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23. Which alternatives will you look for. (Will transfer oily water to IOPP tanks and then discharge to shore facility or barge)
24. What is Slop tank. (Told it's used to store dirty ballast from cargo tanks, if required we can ask permission from office to transfer oily bilges to slop.)
25. What will you do with the slopes. (Transfer to reception facility, barge)
26. What is Annex 5.
27. What is the code for Electrical waste.
28. Who takes care of garbage.
29. What will you do if the cook brings you 1 can of cooking oil. (Garbage record book, Code D, off land to reception facility.)
30. How important is I.G gas. (Explained all tanker operation)
31. How do you CO2 as I.G. How to generate.
32. Which I.G you use. (Boiler uptake, IGG,N2)
33. What does that contain. (% of O2, C)2, N2)
34. How do you monitor O2 content. (O2 analyzer)
35. How to ensure it is giving correct reading. (Calibrate before every I.G operation)
36. Explain the calibration process. (Explained zero and span)
37. What are the emissions in Annex 6. (ODS, NOx, SOx, VOC)
38. On tankers, what is the arrangement for VOC. (Returnline and VECS)
39. How to transfer VOC. (Explained vacuum suction at terminal)
40. What are the SOLAS regulation for emergency generator.
41. Which loads are connected to the emergency switchboard.
42. How is the lifeboat battery charging done.
43. What is trickle charging. (Sulphation and all explained)
44. What is loadline survey.
45. What are the openings in the machinery space that affect water tight integrity. (Skylight, dorrs, sounding pipe, vent heads etc.)
46. What are funnel flaps. How they work. Why flaps are used. When to use.
47. How many boilers you had on your last vessel.
48. How the boiler tubes are connected. (Welding & flaring the end)
49. If the tubes start leaking from flare, what will you do. (Explained about removal and flaring at the end)
50. How it is flared. (Flaring tool)
51. After repair what will you do. (Hydrostatic pres. Testing)