



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: 02/08/ 2023

Surveyor: Nick Philps

Candidate: Ajay Chawla.

Time: 1Hr 45 MINS

1. Types of ships sailed on.
2. Which exam you are appearing for.
3. From where did you get the Orals Syllabus.
4. Draw Two stroke valve timing diagram and asked to explain valve timing diagram Why is overlap present.
5. Main Engine Overhauling, starting from preparation, cylinder head, piston, liner.
6. Briefly explain about Marpol Annex 6 and then explain in detail about Regulation 12 of Annex 6.
7. What is ODP and GWP. In your last ship what was the gas used. What was their GWP and ODP.
8. Bunkering procedure. Pre-Bunkering, During bunkering, Post bunkering.
9. What does BDN contain.
10. Why is Sulphur % important in BDN. What are the Sulphur limitation as per Annex 6. If Sulphur % is more, how can you still comply with the rules. If the vessel is having Scrubber, how much Sulphur % in fuel is allowed.
11. What is Open and Closed Loop Scrubber.
12. How is it ensured that the vessel is compliant with NOx emission regulation.
13. What are the entries done in NOx Technical file.
14. Difference in properties of L.O used in 2 Stroke engine sump, 2 Stroke cylinder oil and 4 Stroke engine oil.
15. What is the TBN and what are the values of all 3 oil.
16. Overhauling of 2 Stroke engine Turbocharger. Special tools used, procedure, clearances taken. What other things to check.



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17. What all certificates are carried Onboard Ship.
18. Second Engineer handover.
19. Draw Star-Delta starter, only power circuit. Why is it used.
20. What are the checks and maintenance done on the M/E L.O pump starter panel.
21. The checks done on Motor. Explain a procedure of IR testing and Continuity test. Minimum value of IR testing.
22. Repair work has been done on the reefer plant. Some soldering has to be done on the pipe. All the gas is collected in the recovery bottle. Now after completion of the job, what all things you will check and do to bring the system back to normal.
23. Discuss about the rules mentioned in MLC regarding the rest hours.
24. What is glazing of cylinder liner.
25. Procedure for Enclosed Space Entry.
26. Boiler Survey. Initial preparation, checks done on the water side and gas side.
27. What are the different mountings on boiler.