



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: Bill Blyth

Candidate: Subramanyam Behra

Time: 1Hour 15 MINS

1. Responsibilities of 2/E.
2. What is PMS.
3. Certifications regarding DOC & SMC.
4. M/E bearing survey schedule where to find.
5. ISM code objective and details.
6. M/E overall safeties.
7. M/E lube oil analysis report and how to diagnose.
8. M/E scavenge fire...how to take action when you as 2/E on watch.
9. Inspections carried out after second engineer.
10. A/E lube oil analysis report how to diagnose.
11. M/E crank case oil found to be having some amount of fuel oil on analysis report how will you diagnose.
12. A/E crank case oil found to be having fuel oil...where from fuel oil get its way to get contaminated with lube oil.
13. Why Boiler water tests are done, what are the tests carried out. If chloride concentration found high then from where & reasons.
14. When you as second engineer Ballast tank inspection....procedure and planning.
15. Enclosed space permit..... details.



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16. one unit of A/E exhaust temperature high when on load what actions will you take.

17. After offloading the A/E for the exhaust temperature high for one effected unit.....how will you start diagnosing this problem.....he wanted the answer from the sensor itself.....and others as well.

18. If sensor is the problem then how to analyse.

19. Emergency power battery requirements.

20. If standby generator not coming on load then what will happen if two are running on parallel and when only one on load.

21. How Emergency generator will come on load and how emergency switch board is connected with main switch board and emergency generator.

22. What action will you take when you start a generator and you want to take on load and found no voltage generation.

23. What is Insulation Resistance and equipment used for measuring it.

24. Procedure to do IR testing on motor and its value as per COSWP.

25. T/C surging and associated reasons.

26. What are effects of moisture on refrigeration plant and how to detect and how will you remove the moisture.

27. Procedure for Refrigerant top up and records maintained.