



# 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: 08 Feb 2023

Surveyor: Zorhul Haque

Candidate: Rohan More

Duration: 1 hour

Result: Pass

1. Name & identity
2. Discharge book. Discussed all ship's types. (Oil tankers)
3. What type of engine in last vessel. RTA SULZER.
4. Difference between RTA & Man B & W.
5. Exhaust Valve operation. Hydraulic and spring air arrangements. What are the advantages of spring air?
6. Cam profile of 2 stroke engine. Can exhaust valve opening timing be adjusted?
7. Tappet clearance 4 stroke engine. Why to take tappet. Is there tappet arrangements in 2 stroke engine?
8. What is VIT. Why required?
9. Wrong type of fuel and have to use it. What impact it will do on main engine.
10. CCAI value of good fuel. And if recieved different CCAI value fuel. What adjustments to be done to run engine efficiently.
11. Which Marpol Annex will it affect? What certificate are issued in Annex 6?
12. What gases emissions from ship?  
ODS, NOX, SOX, Volatile organic compounds.





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13. Where do these gases come from?
14. Can welding be carried out outside engine room on tankers?
15. What type of tools to be used while carrying jobs on deck?
16. Type of lighting on tankers on deck.
17. By looking at low insulation indication in ECR How will you know which motor is affected?
18. If any motor shows low insulation during IR testing, what may be the fault?
19. What other things other than single phasing could cause low Insulation in motor? Moisture. What arrangements are provided to prevent moisture?
20. Protection on deck side motor? How are they protected in case of rains or rough weather?
21. BOILER. What type of steam used for C.O.P.T. operation? (Cargo oil pump turbine) superheated steam. How is superheated steam generated? What arrangements are made? What will happen if used saturated steam for C.O.P.T?
22. At what pressure safety valve operates?  
Why is safety valve adjusted to +3 why not +6?
23. What is operating pressure and working pressure?
24. What is ISM? What is the purpose? Who carry out audits? What certificates are issued?