



UK MARINE TRAINING CENTRE (UMTC)

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Class 1 Oral's Question

Date: 13 June 2023

Surveyor: Andrew Dewar

Candidate: ChandraShekhar

Time: 1Hr 15 MINS

1. Certificates carried onboard, Which certificates are important for the chief engineer.
2. What is ship made of.
3. Type of steel used, how do you select the steel type.
4. Situation given that a "L" shaped bunker tank is damaged and you need to change that damaged section in drydock and how will you change that plate.
5. How will you know that the steel the yard is going to use is the correct one or not.
6. What else you will require to do this job.
7. What kind of welder or welding equipment's you will be using. After the welding has been completed, how will you test it and what will you check at the weld edges.
8. What is Free Surface Effect. How will you reduce it. What changes will be seen with respect to "G", "GZ" and "GM".
9. How does an AVR work.
10. Showed a drawing of Self Excited AC Generator and asked to explain it's working principle.
11. Showed a drawing of Star Delta and asked to explain it's working principle.
12. Showed a drawing asking to identify the circuit It was a DOL starter.

The viva's were mainly focused on certificates. He didn't ask technical questions as he wanted to check how would I be handling the situation's as C/E