



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: 8th June 2023

Surveyor: Zohurul Haque

Candidate: : Naveen Kumar

Result : Pass

Time: 1Hr 15 MINS

- 1) Surveyor asked about types of ships and engines you have sailed on.
- 2) Have you sailed on 4 stroke engines?
- 3) What is the difference between 2 stroke and 4 stroke engines?
- 4) What is the function of crosshead? And its parts?
- 5) What is the material of all parts of crosshead?
- 6) How exhaust valve works?
- 7) Type of material used for different parts of exhaust valve?
- 8) How do exhaust valve self clean itself?
- 9) Why we use Nimonic material for exhaust valve lid and spindle?
- 10) What checks we will make while overhauling a piston?
- 11) What could be the reason for cracks in piston crown?
- 12) How piston cooling is done?
- 13) How will you come to know that cooling medium is proper?
- 14) What test you will do on jacket cooling water?
- 15) Material for Piston crown, piston rings and piston rod?
- 16) What checks will you make on crankcase inspection?
- 17) Reasons for frequent damage to main bearing?
- 18) How you come to know that main bearing is damaged or worn out?
- 19) How you come to know that crankshaft is misaligned?
- 20) Reason for frequent chocking for LO filter?
- 21) What is there in LO analysis report?



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- 22) Procedure for boiler survey?
- 23) What checks will you make on refractory?
- 24) How refractory got damaged?
- 25) How boiler water tubes are connected to water drum and steam drum?
- 26) How you come to know that tube have crack?
- 27) How will you rectify the tube leak?
- 28) Why we do hydraulic testing of boiler?
- 29) What type of steam we use for turbines and why?
- 30) Specifications of alternator on your ship?
- 31) Why do we have frequency 60 hz why not 50 hz?
- 32) How AVR works?
- 33) Safeties on main switchboard?
- 34) Regulations for emergency generator?
- 35) How overboard pipe is connected to ship hull?
- 36) What is galvanic corrosion?
- 37) Why sacrificial flange is provided in overboard valve flange?
- 38) What other places do we have sacrificial flange?
- 39) What type of lifeboat on oil tankers?
- 40) Why do we have enclosed type lifeboats on oil tankers?
- 41) Explain MARPOL annex 6 in detail.
- 42) Regulations for Sox?
- 43) How we will reduce Sox if we have high Sulphur fuel?