



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

EXAMINER - N.PHILIPS

Candidate: Amit bhandari

DATE- 26.01.2023

TIME - 1 HR 20 MIN

- 1.FROM WHER DID YOU GET THE ORAL SYLLABUS.
- 2.DRAW AND EXPAIN 2 STROKE TIMING DIAGRAM.
- 3.IS THE FUEL INJECTION ANGLE FIXED FOR ALL 2 STROKE ENGINES?
- 4.HOW VIT WORKS
- 5.HOW IS FUEL INJECTION TIMING CHANGED IN ME ENGINES.IF NO CAM IS PRESENT THEN HOW INJECTION TAKES PLACE.EXPAIN THE PROCESS.
- 6.WHAT IS MOP ,CCU ,EICU AND TACHO (FEW GENERAL WORKING QUESTIONS ON ME ENGINES RELATED TO HPS AND HCU SYSTEM)
- 7.EXPLAIN MAPROL ANNEX 6 COMPLETE.
- 8.WHAT IS ODP AND GWP.
- 9.WHAT WAS THE ODP AND GWP OF THE REF GASES ONBOARD YOUR LAST VESSEL.
- 10.WHAT ENTRIES ARE MADE IN NOX TECHNICAL FILE AND PARAMETERS FOR NOX COMPLIANCE AS PER TIER 2 AND TIER 3.
11. WHAT IS THE CURRENT REGULATION FOR THE SOX EMISSIONS.
- 12.AS YOU HAVE SAILED ON A VESSEL WITH SCRUBBER SYSTEM ,WHAT WAS THE SULPHUR CONTENT OF THE FUEL USED ON-BOARD.
- 13.WHY THE SYSTEM IS CALLED OPEN LOOP SCRUBBER SYSTEM.
- 14.HOW DO YOU KNOW THE FUEL IS COMPLIANT WITH ALL THE REGULATIONS.



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15. WHAT IS THE EFFECT OF VANADIUM AND SODIUM PRESENCE IN THE FUEL .

16. WHAT ARE ALL THE LUBE OIL TESTS CARRIED OUT.

17. WHAT IS BN, TAN AND SAN NUMBER.

18. WHY IS THERE A DIFFERENCE IN BN VALUE OF CRANKCASE OIL, CYLINDER OIL FOR 2 STROKE ENGINE AND 4 STROKE ENGINE OIL.

19. TWO STROKE ENGINE TURBOCHARGER CARTRIDGE REPLACEMENT PROCEDURE (ONES I FINISHED WITH THE PREPARATION PROCEDURE HE STOPPED ME AS I TOLD HIM I HAVE NOT DONE IT PRACTICALLY)

20. WHAT IS AXIAL FLOW AND RADIAL FLOW.

21. PURPOSE OF DIFFUSER, NOZZLE RING AND LYBRITH SEAL.

22. TYPES OF BEARING ON THE 4 STROKE ENGINE.

23. WHY IT IS CALLED FLOATING BEARING.

24. DIFFERENCE BETWEEN CONSTANT FLOW AND PULSE TURBOCHARGING

25. CERTIFICATES CARRIED ONBOARD YOUR VESSEL.

26. WHAT IS ANTI FLOULING CERTIFICATE FOR.

27. HOW IS INSULATION RESISTANCE TEST CARRIED OUT ON A MOTOR

28. WHAT SHOULD BE THE MINIMUM VALUE FOR I.R

29. DRAW AND EXPLAIN STAR DELTA STARTER.

30. WHAT ALL CHECKS ARE DONE ON THE MOTOR PANEL.

31. PURPOSE OF BOILER WATER TESTING. .32. EXPLAIN THE TESTING PROCESS AND CHEMICALS USED FOR DOSING .