



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: 31 OCT 2023

Surveyor: Andrew Dewar

Candidate: Sonu Dhull

Time: 1 Hr 45 MINS

1. Documents checked, information given as per checklist.
2. Function of thrust block, construction, how to check measurement. (told him function and construction with pad on both side around thrust collar but he said its only half round not full around. He was satisfied with basic function so moved on after some story telling)
3. function of holding down bolt and checking of bolt. (told him visual check for orange dust due to fretting then hammer test, he asked about other important tool we need for test other then hammer-told him about good torch and he was vary happy the ans.)
4. hydraulic checking of bolt tightness and how jack working to open. (told him elongation of bolt then he asked for elastic and plastic limit so I explained him stress/strain diagram. Hydraulic pressure I told him we will not increase more the 10% of tightening pressure to avoid plastic deformation.)
5. crank case inspection wat all things to check and if crack found method of crack detection. (told him DPT and ultrasonic test but he was looking for magnetic leak detection which I was unaware of so he told me ok no problem and ask me to find out about this and moved on)



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6. LT centrifugal pump motor run for some time and trip what problem? (Explain him star delta starter changeover problem, then he share DOL starter and asked all the issue, 1st OCR then Main breaker trip...it was like troubleshooting and went very well... he was looking for another point like some cloth remain in piping system during maintenance. Then again some story telling as per his experience).

7. During boiler drum inspection found pitting on drum what can be cause. (Explain him about caustic embrittlement then oxygen in water can cause corrosion then some cross questions on water treatment and again story telling regarding how boiler working in early time and how water treatment started.) he was not much satisfied with my ans on high alkalinity reserve led to caustic embrittlement and asked me check before I plan for my chief oral but other things went well so he moves on)

8. As a 2nd engineer how to prevent fire in engine room. (Good housekeeping, no open or loose oil drum, no lagging with oil, proper maintenance on electrical panel.)

9. Fixed fire fighting system on board the cross question on CO2 and high fog regarding routine check and maintenance on systems.

(In-between lots of small question on safety but not something we don't know about. He looks happy on my approach on every situation he gave for troubleshooting as I explained as we are doing onboard other then checklists.)

Finally gave me pass and explain about further what need to do for apply.

Again big Thanks to Shivaji Sir, Aditya Sir, Prince Sir and Arun Sir for clearing my doubts and special thanks to my friends for their support and help.