

# NIJHAWAN SIR MUMBAI NOIDA

04/05/2021

Nijhawan

- 1) Sfc significance? Why do we need? Why it's written on engine
  - 2) MIP and MEP difference, how to take from graph
  - 3) if Cylinder Oil consumption increased, what effect
  - 4) do we monitor the quantity
  - 5) TC exhaust Temp High, Causes
  - 6) Steam Tube Temperature Rising Causes
  - 7) jcw level suddenly start fluctuating, liner is not cracked, reason
  - 8) Type of burner
  - 9) gate valve seat damaged how to repair ( valve cutter se then lapping, gaali nahi diya but kuchh khaas chhoda bhi nahi)
  - 10) bilge tank level going high, leak bola hi tha and he was again on irritated
  - 11) MA compressor based questions
  - 12) Gas welding and gas cutting tool difference, pressure of both
  - 12) reamer tool
  - 13) exhaust gas bellow fitting
  - 14) piston removal safety, cylinder head removed, i have all permits and paper work(decider) in last
  - 15) Purifier vibration damping provision
- Aur bhi the yaad aagya to bata dunga

External - Nijhawan

Internal - Subbarao

**Function 4b and 6**

**1. Type of Engine**

**2. Specifications of engine**

**3. Working of exhaust vv (Told about hydraulic piston and spring air mechanism) and xxx question**

**4. How do u check LO on board (told about all test but he did not accept)**

**5. Acculmation of pressure test in boiler**

**6. If u have 20 mm and 10 mm material and u have to weld, how will u set ur current setting.... what is the formula?**

**7. Veg room at -5 C , what are the problems?**

**8. Difference between eductor and ejector (told the correct definition, not accepted)**

**9. K value of turbocharger**

**10. Gear pump clearances**

**And many more...**

**Result : repeat**

**-Nijhawan was too irritated from before didn't wanted to listen to any answer**

**MMD Noida**

**06/05/21**

**Int- Meena Sir**

**Ext- Nijhawan Sir**

**Fn4 and 6**

**Motor**

**Engine Type and arrangement (DFDE)**

**Reduction Gear Ratio.**

**LO Sump level increasing in running reason.**

**ME Air cooler leak detection and rectification**

Check in boiler safety valve after dismantling. ( Not accepting - deep groves check trueness of shaft, body for erosion and corrosion, spring fall test)

Shrinkage and swelling of boiler.

Working of Level Controller/Trasmitter

TC outlet high temperature.

What is difference in properties of Hydraulic oil used in steering gear and Cylinder Lube Oil.

Main bearing Overhaul and clearance .

Reasons for FWG low production

How would sea water temperature affect water production.

What are fretted bolts and where used( could not answer).

Unloader working of Refrigeration Compressor.

How will you order V belt ? (could not answer)

What test would you do on treated STP discharge before discharging.

Bearing nomeclature

Welding Rod nomenclature.

Result - Got Fn 6

29/6/2021

Gauri laal meena and Nijhawan sir

Safety:

Type of ship

Longitudinal ceter of gravity and center of flotation

Type of fixed fire fighting system

Cst plate on container

BLEVE

Purifier room fire

**Tier 2 NOx**

**Fire wallet**

**Motor:**

**Type of Main engine**

**Surging of t/c**

**Crankshaft semibuilt and fully built difference**

**Boiler tubes leaking-identification and rectification**

**Boiler water level high alarm testing**

**All alarms and tests before long voyage(he wanted steering gear+all ME alarm checks)**

**Flame ring purpose on piston**

**Result-Motor pass, safety repeat**

**Mumbai**

**05/07/2021**

**Subbarao**

**Nijhawan**

**Motor/Mep**

**Reson for stern tube high temperature?**

**If u passing through the heavy weather Wat precaution u will take?**

**Fwg efficiency gradually drop reason? Function of demister?**

**Crankcase lub oil have water from where that coming?**

**Scavenge efficiency? Wat is efficiency? Wat is output and input efficiency?**

**Valve timing?**

**In boiler water what is relation between p alkanity and T alkanity? If both same Wat can u do?**

**Welding electrode nomenclature?**

**Mumbai**

**5/7/21**

**Subbarao**

**Nijwan**

**Mehotra**

**Fn 3**

**Types of ship**

**Garboard strake**

**Sheer strake**

**How CO2 low pressure system works**

**Abandon ship drill**

**Fn 5**

**Safety of steering gear motor**

**What happens low and high frequency come from shore supply**

**How to find the motor starting problem**

**Star delta starter**

**Difference between auto transformer and ignition transformer**

**Mumbai**

**5/7/21**

**Subbarao**

**Nijawan**

**Motor/MEP**

**Engine type, Configuration**

**Engine performance good or bad how to know.**

**T/C inlet temp high why, what you'll check, how to rectify.**

**Reefer system switchover complete process from one system to standby system, how.**

**Why Phosphate test**

**Welding 8mm to 16mm plate, how?**

**Failed both**

**Mumbai**

**5/7/21**

**Subbarao**

**Nijawan**

**Mep**

**How exhaust valve works**

**Significance of firing order**

**Safeties in domestic refrigeration**

**Failed i answered these still he failed without asking more**

**06/07/2021**

**Noida**

**Subarao**

**Nijhawan sir **

**Types of ship**

**Which types of stiffener used in painting**

**Location of paint locker**

**Action during engine room flooding**

**Eedi**

**Seemp**

**Function of time delay unit**

**Result pass**

**Coc**

**06/08/2021**

**f 4b & 6**

**subbarao sir**

**nijhawan sir**

**1. how will u find the performance of me**

**2. over board pipe is leakage what temporary repair**

**3 how to take main bearing clearance from down side**

**4 in shall n tube type tube burst one by one reason**

**5hydraulic pressure apply on cyl. head where and what happen**

**7 purifier noe acheving speed reason**

**8 air starting line explosion**

**9 how will u chng the exahust bellow**

**10 blow through of boiler**

**how to change the sheet of a v/v if get coroded**

**06/08/2021**

**Noida**

**Subbarao sir**

**Nijhawan sir**

**Function 5...**

What is Excitation ,Boiler Transformer & one more kisi k transformer ka difference pocha tha bhul gya kiska,Koyi bhi water level sensor ckt kisy kam krta h ,Battey Charging p lgaty time kya safties hony chahiye? Or bhi aisy he 1\_2 bklol question or thy..yaad ayengy bta donga sir

Function 4

Motor

Intern - Meena

External - Nijwahan

1) Axial displacement pump

2) mep vs mip

3) scavenge efficiency

4) lo heater keep on leaking again and again , reason

5) she'll type heater

6) primary air , how primary air is used in engine

1-2 more

Coc 

Y Phosphate test

If alkalinity and p alkalinity same , what is reason

07 sept

Func 3

meena sir

Nijhawan sir

1. Bulbous bow nd constr diff btwn tanker and container

2 stiff n tender ship

3 fwd and midship liferaft diff

Why liferaft is provided with two bottom

How to upright liferaft

4 code convention diff

5 certi under annex 6

Two more questions cant remember now

Pass

Thanks to all 

Func 3

meena sir

nijhawan sir

-what is cross curve stability (ans is not gz curve)

-how to know the stability of a container ship

- extinguishing medium for a tier 3 container at top of hatch cover

-on load/off load release of lifeboat(both kinds)

-new ammendment regarding portable extinguisher ( related to foam maybe)

-new ammendment in and 5(incineration)

Result-repeat

And\*- ANX

Noida

Int: meena

Ext: nijwahan

Fun:3

Type of ship

Difference between chemical and product tanker

Stiff and tender ship

**Brest hook**

**Foam system**

**Which foam for chemical tanker**

**Checks on foam concentrate**

**Risk assessment**

**Discharge criteria for chemical tanker**

**Meena: isolation valve and cross questions**

**Result:nijwahan said dekh lo sir aap**

**Meena said theek hai sir pass kar dete hain.**

**Coc** 

**07/09/2021**

**MEP**

**Int. Nijhawan Sir**

**Ext. Meena sir**

**How do you overhaul Butterfly V/V**

**How do you take out main bearing of auxiliary engine**

**How does a hydraulic jack works & if the jack is leaking how to overhaul it**

**How does a pressure reducing v/v works**

**What takes the weight of the impeller & shaft of a centrifugal p/p**

**How to replace a leaking tube from a condenser(Whole process, how to take out the tube stack n all)**

**What is the speciality of the flange of bunker line where the sapling v/v is connected ( Perforation is there on the sampling flange, wanted to hear that)**

**If one unit exh. Temp. Of AE is lesser what are the causes**

**thanx 2 the wise man**

3. The hydraulic jack sits on the base when the stud is fixed on the nut & over the jack a nut is there which is connected to the stud, now this pressure applied is elongating the hydraulic nut kf the engine, applying force on the base over which the jack is restinf

1. Bro butterfly v/v maine bataya ki sir first we will take the whole line out to replace or overhaul the valve

Then I'll check the gear of the v/v the v/v disc if it has worn down or not. I said i only know these things sir

For overhauling I told, I'll take the jack to workshop now, I'll hammer & split the jack into 2 pieces, now I'll change the o-rings & plastic rings covering the o-ring inside I. After replacing I'll box it all up

Pressure reducing v/v i said there might be a orifice or something which has a larger opening from where the air is coming n all

I wasn't sure about this

The bottom bearing of the centrifugal p/p shaft takes the weight

6. There's perforation on the flange, (the drip system which we use has a v/v is wrong), the speciality of this flange is perforation on it

Noida

meena sir

Nijhawan sir

MEP

1.type of cards taken on engine(power,compression,light spring,draw card)

2.how to do shrunk fit (ice vali bullshit mat dena marega nahi to)

3.pump performance decrease hui kase pata chalega

4.engine not turning on air

5.how to change wear ring

Ek do aur question hai vo yaad ayenge to bta dunga bro

PASS ❤️

ACCEPTED ANSWERS THANK TO WISE MAN

2. Bhai maine bola heat krenge phir vo bolne laga ki bearing damage ho jaye...phir mai bolne laga ki ice se thanada krenge phir vo marne laga to maine bola ni ata

**3. bhai esmai bola ki discharge pressure se pta chl jayega**

**Vo decrease hoga**

**Phir usne reason puche kyu hoga**

**Maine bola suction valve throttle hai..wear ring worn down....cavitation**

**Ye bola bhai exact**

**int. meena sir**

**ext. nijhawan sir**

**Motor**

**1. Construction of ME**

**2. Location of stuffing box**

**3. Puncture valve diagram**

**4. Aux engine air starting system.**

**5. Emergency Generator air starting system.**