

Objective

A former Chief engineer, with over 11 years of experience in the marine industry sailing worldwide, including management skills, ship repair, upgrades and ship yard experience also. Handled the engines power plant over 100,000 BHP with having the experience of latest Electronic engines. Drafting messages, and making reports on the daily basis. Understanding and complying with the company Quality Safety Environment Energy Management System at all times.

Highlights

- 11 Years plus of experience in the marine industry with all ship repairs, all types of mechanical repairs, heavy duty repairs, hydraulic maintenance, pneumatic etc.
- Vast knowledge in mechanical, electrical, hydraulics, pneumatics, metallurgy and thermodynamics.
- Ability to troubleshoot any mechanical, hydraulic, electrical 440V and 6.6 KV faults.
- Ability to overhaul and troubleshoot the governors.
- Ability to operate the overhead cranes and hoists as per the SWL (Safe working load).
- Ability to carry out inspections and repair of the vessels, as per the owner and IACS (International association of the classification societies).
- Strong work ethics, with safe working standards.
- Great Team player and Good Team manager.
- Knowledge of IMO (International Maritime Organization) resolutions and conventions (SOLAS, MARPOL, ISM, BWM, etc.)
- Good Knowledge of EEDI (Energy efficiency design index), SEEMP (Shipboard energy efficiency management plan)
- Technical Report writing.
- Ability to read and understand the line diagrams of electrical, mechanical and all type of different plans of ships.
- Ability to optimize the vessels or plant for energy efficiency (Fuel saving measures).
- Ability to tune and carry out adjustments on the engines (Pmax, Pcom and fuel index setting.)
- Ability in handling the steam boilers and carrying out the maintenance includes the refractory, tubes inspection and burner overhauling for the same.
- Ability to carry out the repairs and maintenance on HVAC systems.
- Ability to carry out inspection on bearings, piston rings, cylinder liners.
- Wide knowledge of Turbochargers for 2 stroke and 4 stroke engines. Carrying out the overhauls and repairs for the same (Experience with both bearing and bush types)
- Ability to overhaul the sea water type valves (Butterfly/SDNR/Globe/Gate)
- Ability to overhaul the complete air compressor (Water/Air cooled)
- Ability in handling the spares and utilization of the same.
- Ability to work on vessel main and side propellers/thrusters.
- Knowledge of handling the vessel/ship steering systems.

- Ability to carry out the oil analysis for fuel and lube oil.

Work Experience

MSC Shipmanagement, Cyprus

Jan 2014- to date.

Chief Engineer

Various engines experience - WARTSILA, MAN B&W, MITSUBUSHI UEC, VOLVO PENTA, DAIHATSU, ROLLS ROYCE, CUMMINS, ETC) Includes 2 stroke and 4 stroke engines.

- Technical Manager of the Ship.
- Carried out Major overhaul of the Aux engine, power rating 1300kw to 5000kw.
- Carried out Major overhaul of the Main engine, power rated 100,000 hp.
- Carrying out the Preventive Maintenance of Major piston/cylinder liner/fuel pump/fuel valve/stuffing box/piston rod/cylinder heads/unit overhauls of the main engine of the vessel.
- Replacement of the exhaust valves and cylinder liners of the both Main and Aux engines.
- Replacement of the fuel pump plunger/barrel and knowledge of the same.
- Inspection and repairing of the engine body (METALOCK).
- Turbocharger repairs, overhauls and refitting.
- Retrofitting of the turbochargers.
- Bunkering the fuel of the vessel(5000MT) and pre-requesting fuel before in hand (Fuel Consumption of the engine – 250MT/Day).
- Sludge and bilge management.
- Experience on different types of Oil-water filtration equipment.
- Assisting in the main/bottom end and Cross head bearing inspections on the engine power rated 52,450 kw.
- Replacement of the main and bottom end bearing on various engines (Main and Aux)
- Calibration of the cylinder liners with the bore of 90mm.
- Assisting in the various modifications of the vessels, includes energy saving, emission controls.
- Replacement of the charge air cooler for the engine 33,000kw.
- Overhauling of the different types of the fuel injectors for main and aux engine.
- Grinding of the exhaust valves.
- Welding (Gas, Arc)
- Lathe Machining.
- Taking Performance of the engines above than 85%MCR.
- Carrying out analysis and Replenishing the sump lube oils.
- Purification and filtration of the sump oils.
- Cleaning and Replacement of the various micron filters and cleaning.
- Hydraulic system overhauls (complete system cleaning, parts replacement, filters replacements, etc.)
- Overhauling on the pneumatic systems (solenoid valve replacing, air distributor overhauls, starting air valves overhauls)
- Pump overhauls (hydraulic, centrifugal and piston pumps/Positive displacement pump)

- Troubleshooting, Various heat exchangers including tubular and plate types.
- Modifications of the various system pipelines - Includes the sea water cooling, fresh water cooling, lube oil cooling, etc.
- Worked on High voltage systems – 6.6kv includes the VCB inspections/overhauling.
- Knowledge of the electrical systems.
- Oil fired boiler inspections and repairs. (Refractory repairs, tubes, burner overhauls)
- Exhaust gas economizer repairs and inspections.
- HVAC inspection and repairs (Charging of the refrigerant, compressor oil change/charging, compressor overhauls, evaporator cleaning, etc.)
- Purifiers/Clarifiers major overhauling and inspections.
- Sea trails of the vessels at China with rank of 1st Engineer.
- Shipyard experience and yard delivery taken over of 2 large container vessel at China, with rank of 1st Engineer.
- Experience with the latest MAN B&W electronic engines and problems related to the FIVA valves issues.
- Assisted in the repairs of cracked Double Bottom tanks and Under Water welding.
- Assisted in Auditing and inspection of the vessel during yard building.
- Knowledge of mooring operations.
- Knowledge of the ISM (International Safety Management system) and carrying out vessel audits.
- Coordinating with the external contracts during the yard building times.
- Planning and coordinating with the master of the vessel for safe operations and commencement of safe ocean passages.
- In charge of the Fuel consumption of the vessel and requesting for the same, in advance.
- Reporting all technical matters to company.
- Knowledge of the PLC circuits.
- Managing the team with the crew of 22 personals and mentoring junior officers.
- Vast knowledge in Naval Architecture.
- Making the maintenance plans for the vessel and carrying the maintenance as per the plans.
- 2 stroke and 4 stroke engines, lube oil and fuel oil filters cleaning.
- Experienced with the broken cylinder liner/piston/exhaust valves.
- Experienced with the seizing of the units during the sea voyages.
- Experience with the scavenge fire on 2 stroke engines.
- Experience with different types of Turbocharger breakdowns.
- Experience in blanking of the turbochargers.
- Managing and passing the survey of the vessel, with different types of survey and inspections.
- Experience in measuring the vessel hull thickness, use of the ultrasonic thickness gauge.
- Inspection of the sea water tanks, against corrosion/checking of the anodes/cracking of the tanks.
- Production of the fresh water onboard (Use of the Fresh water Generator plant)
- Measuring the trueness of the pump shafts and checking the gears against the tooth damages.
- Measuring the driving chain and chain length of the engines.

- Inspecting and Carrying out the repairs on diaphragm.
- Carrying out the inspection and maintenance on engine cams, roller guide and cam follower.

Education (All courses are valid and updated under STCW – 10)

Higher National Diploma in Marine Engineering awarded by Scottish Qualification Authority, Glasgow, United Kingdom (North American degree equivalent).	2007
Engineering Workshop Skills, Maintenance & Assembly Skills, Electrical and Electronic Practice, Glasgow, UK.	2007
Gold medalist for the best Cadetship OLQ at Academy of Maritime Education and Training, Chennai.	2006
Continuing Professional Development, by Institute of Marine Engineering, Science and Technology, Scottish Branch, Glasgow, UK.	2007
Awarded the best project by the CALMAC FERRIES, Glasgow, UK.	2007
Marine Advanced First Aid (STCW-10)	2016
Proficiency in Security Training for Seafarers with Designated Security Duties,(STCW-10)	2016
PSCRB& PST (STCW-10)	2016
Marine Advanced Fire Fighting and Fire Prevention and Fire Fighting(STCW-10)	2016
PSSR(STCW-10)	2017
Human Element Leadership and Management Level (STCW-10)	2017
High Voltage Training, Management Level, (STCW-10)	2017
First Class Engineer Course, MCA, UK.	2017

Certification

First Class Marine Engineer License, Maritime Coastguard Agency, Govt. of UK.

Machinery Maintenance & Repair.

Industrial Boilers -Refrigeration Plants -Compressors Hydraulic Systems -Automation Systems

Operating Water, Steam & Oil Systems

Skills

Worked with different kind of PMS Software's - NS5, AMOS, CONSULTAS, BASSNET, etc.

Knowledge of the Naval Architecture of different vessels.

Planning and Ability to co-ordinate and organize team work to perform excellent results within specified time.

Follow the Health, Safety and Environment guidelines.

Understanding and complying of the various companies SMS, QSEEMS systems.

Cultivated very valuable experience working in the environment where you have to make quick and right decision.

Solid computer skills, MS word, MS Excel, MS Power point, MS Outlook, etc.