Vessel: Bitu Atlantic Year: 2018

Department: Electrical Date (dd/mm/yy): 31/12/18 Month: December

**Note:**

* This form must be filled up on daily basis
* For each department (Deck / Engine / Electrical) a separate work done report is to be prepared.
* The Deck work done report to include Bridge & Accommodation
* Every Sunday the updated electronic copy shall be sent to [technical@maritec.be](mailto:technical@maritec.be)
* At the end of the month, complete signed report shall be sent along with the monthly documents

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| **Date** | **Place** | **Work Description** |
| 1st | At Sea | Daily routines check carried out. Saturday routines carried out. Thermal oil boiler system – check remote alarm unit in ECR as per maker advice, make a brief report and send to the office. |
| 2nd | At Sea | Daily routines check carried out. Attends the fire and boat drill. Electrical store arranges and cleaning the work is in progress. Check onboard computers and provide the required information to the office. |
| 3rd | At Sea | Daily routines check carried out. Check all COP, Run the pumps and try out emergency stops and found working satisfactory from all places. Check cargo tank high level and overfill alarms with C/O and found all working satisfactory. Check and rectify the COP running/Stop and trip indication in ECR alarm monitor. Now all COP indications are in order. Test COP No. 4 as well and found working satisfactory. COP No. 4 is not in use and we can use this channel as boiler common alarm in UMS condition. |
| 4th | At Sea | Daily routines check carried out. Check ECR refrigerator and found not working, check the power supply and found plug burnt, replace the plug and also prepare separate power supply for to charge portable VHF set in ECR, check and found all working satisfactory. As per maker and office advice – check and made some more test on ECR Remote Alarm Display unit of Thermal oil boiler. make a report and send to the office. |
| 5th | At Sea | Daily routines check carried out. AC fridge gas leak test carried out.  Pump room lighting inspection carried out and busted light replaced. |
| 6th | At Sea | Daily routines check carried out. Bottom platform lighting fault attended. Earth fault for 110 VAC treoublshhoting carried out still job is in hand. Accommodation lights changed with defective one. |
| 7th | At Anchorage | Daily routines check carried out. Troubleshooting carried put with Thermal boiler remote alarm module and connected to the central alarm monitoring system.  El store cleaning and arranging is in progress. |
| 8th | At Anchorage | Daily routines check carried out. ETO handing over is in progress. Main Contactor burnt inside the Electrical heater panel for ME FO system, Spare contactor is not available on board and same contactor removed from NAOH tank heater panel and installed inside the FO electric heater panel, system tested and found working satisfactory. Troubleshooting carried put with Thermal boiler remote alarm module and connected to the central alarm monitoring system. Saturday routines carried out. |
| 9th | At Anchorage | Daily routines check carried out. Troubleshooting carried out (such as checked with auxiliary switch board, main switch board and emergency switch board.) with 110 VAC and 440 VAC Earth fault, still job in progress. FO inlet pressure for ME and AE checked and drained, currently system working satisfactory and kept under observation. |
| 10th | At Anchorage | Daily routines check carried out. Few Starter panel source light fault rectified. Investigation carried out with110 VAC earth faults and found Breaker no 5 and 4 (which is for 3rd deck STBD side lights and workshops Lights main cable was grounded same rectified and currently there is no any earth fault in 110 VAC. Investigation carried out with 440 VAC earth fault and found earth fault coming from both thermal boiler distribution panel, still job is in progress. Tube replaced in E/R. |
| 11th | At Anchorage | Machineries round taken. Jacket cooling water pump no 1 stand by fault rectified. In auxliary boiler pnumatic DP transmitter water level and water level remot blow carried out and correction carried out. Lighting fault attended in ECR. |
| 12th | At Anchorage | Machineries round taken. El. Stores and tools arrangining is in progress. Troublshooting carried out with 440 earth foult and found it was comming from thermal boiler distibution panel, after investigation found main breaker terminal bolt was bigger than normal bolt and touching back side of the panel same replaced with normal size bolt and tested found satisfactory, still partial earth fault coming from BWMS panel and panel power sorce stop to remobve earth fault, currently ther is no earth fault in 440 VAC, still job is in hand. Boiler spares receieved such remote display unit , waiting for conveinet time to installed. |
| 13th | At Anchorage | Machineries round taken. El. Stores and tools arrangining is in progress.  Boiler spare received and following task carried out. Alarm remote display unit replaced with new one and checked, found it is working same as old one and pre-active alarm relay is in active mode. After investigation and troubleshooting analysis, pre-active alarm relay output connected to NC contact to run the system in normal operation. Also 1 output from Alarm remote display connected to the UMS system in spare channel as COP pump no 4 to generate ums alarm. System tried out and found all are working satisfactory. FYI old remote display unit is in good working condition and kept as spare for future use. New temperature remote display unit installed in the ECR console panel and all cable connected to the system, found all working satisfactory. New reset switch installed in ECR for Alarm remote display unit to reset alarms. In thermal boiler no 1 Motor protection relay (OLR switch) middle contact is by pass due to malfunction, same replaced with new one and found working satisfactory. Lighting fault attended in laundery room, a deck toilet and c decke. 440 VAC earth fault troubleshooting carried out with BWMS. In BWMS CCR main panel opened all terminal checked and loosen connection tightened. Checked gland packing and main connection terminal cleaned. But unable to find any fault, system energized and found there is no any earth fault coming currently there is no any earth fault coming from 440 VAC. |
| 14th | At Anchorage | Machineries round taken. In FO service tank found heater is not working after investigation following things found. On switch for one heating element was Brocken, same replaced with other type. Wiring connection for float switch and thermostat cable connected wrongly, same corrected as per drawing. Also found float switch out put is not coming and it is interlockwith heater, so system unable to start (system can be run if float switch by pass). For rectification tank level need to bring down so float switch can remove from place and overhauled, require convienient time to do task. |
| 15th | At Anchorage | Machineries Round taken. W/O evaporator tank vent fan motor was tripping in overload, motor and blower dismental and found sludge in impelar same claeaned and box back system tried out and found working satisfactory. Saturday routine carried out. A/E auto back wash filter mecanism troublshooting is in propgress. |
| 16th | At Anchorage |  |
| 17th | At Anchorage | Machineries round taken. Troubleshooting carried out with ODME and found sample solenoid valve was stuck same repaired and ODME tried out found working satisfactory. Toubleshooting carried out for cre lundry machine, washing machine working satisfactory. Electrical tools arraning and marking is in progress.  Meat, veg and fish room manually defrosting carried out. |
| 18th | At Sea | Machineries round taken. Troublshooting carried out with engine control console indication system, found fuse was blown, all indiaction and cabling and connection checked found satisfactory, fuse re installed saystem tried out found working satisfactory. El. Store and spare room arranging and cleaning is in progress. |
| 19th | At Sea | Machineries round taken. El. Stores arranging is in propgress. Troublshooting carried out with ecr console machineries indiaction system found freewheeling diode is defective same removed from place. New light fixture installing near provision chamber is in progress. Navigation lighting system alarm tried out. Together with 2nd mate GMDSS battery tested on laod, and found working satisfactory. Togetehr with engineers M/E tried out from Bridge, Local and emergency station and found working satisfactory. Also tried out few alrms for M/E, found working satisfactory. |
| 20th | At Sea | Machineries round taken. New light fixture installed near provision chamber and power supply connected. Elecrical store arranged and cleaned, still job is in hand. All indiaction lamps and fuses for panel aranging and marking is in progress. |
| 21st | At Sea | Machineries round taken. Corgo pumps prepared for cargo operation, system tried out and all parameter checked found all are in good condition. During cargo operation found COP no 3 pump upper bearing temperature shooted up till 119.5c and hight tempereture alarm came, trip set point adjusted from 120 to 125°c. Pump under observation. All indiacation lamps and all fuse arranged and marked. |
| 22nd | At Sea | Machineries round taken. Saturday routine carried out. Reefer compressor 2 alarms and trip tried out. Provision chamber manually defrosting carried out. Fo service tank oil level reduce bellow electric heater and float switch removed from place, float switch cleaned and checked contacts condition and found all are good, float switch tried out and found working satisfactory, float switch installed in place and oil level increase to abaove heater level and float switch checked, found working, heater put in service found all are working satisfactory and temperature maintaining. Boiler steam heater solenoide control valve coile connection was burnt same repaired. |
| 23rd | At Sea | Machineries round taken. Megger test is in progress. |
| 24th | At Sea | Machineries round taken. DG 3 alaternator filter replaced with new one. DG 3 alternator stator, diodes and rotor windings inspection carried out and found satisfactory. Viscosity steam control valve troublshooting is in progress. |
| 25th | At Sea |  |
| 26th | At Sea | Machineries round taken. Viscosity steam control valve troublshooting carried out and found control valave PCB is not working. Megger test is in progress. M/E and AE fuel oil heater was tripp on overload, heater checked and found satisfactory, ressetting carried out and system started and found working satisfactory. All COP bearings temperature sensor calibration carried out and cross checked and found all satisfactory. Tank gauging troubleshooting is in progress. |
| 27th | At Sea | Machineries round taken. Megger test is in progress. Troublshooting carried out with thermal boiler alarm. COT radar troublshooting carried out as per manual instruction, still problem persist. Steering gear alarms tried out. |
| 28th | At Sea | Machineries round taken. COP prepares and all pumps tested found working satisfactory. Megger test is in progress. Emergency steering tried out with both steering pumps and found working satisfactory. Both main air compressor alarms tried out. AE 1 and AE 2 alarms and trips tried out. AE 1 alternator filter routine carried out and alaternator inspection carried out, found all are working satisfactory. Emergency generator load test carried out and alarm and trips tried out, found working satisfactory. Emergency stop for Deck and Accommodtionn tried out ans restore system found working satisfac tory. Saturday routine carried out. DG 2 reverse power trip tried out. |
| 29th | At Sea | Machineries round taken. Megger test carried out. Steering gear talk back and emergency phone tried out and found emergency steering gear phone is defctive need to replaced compleate unit, job is in hand. Saturday routine carried out. Accommodation and E/R defective lighting replaced with new one. Cargo pump prepared for cargo operation. M/E manuevering carried out. |
| 30th | At Sea | Machineries round taken. |
| 31st | At Sea | Machineries round taken. Monthly paper work carried out. All machineries running hrs updated. |

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| P. MAITI |  |  |
| Name Chief Engineer (for Enginer report) |  | Signature |