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Vessel: Bitu Atlantic Year: 2019

Department: Electrical Date (dd/mm/yy): 31/01/2019 Month: January

**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 Port | Machineries round taken. Pilot lamp indication replaced in few starter panel. Boiler feed water pump no. 1 motor received from shore after rewinding, Megger test and phase balance checked found satisfactory, Motor installed in place and started found running amps is 24A which is higher than no 2, currently pump kept running and observation. |
| 2nd | At Anchorage | Machineries round taken. Reefer system Manual defrosting carried out. Boiler feed pump no 1 motor was drawing more current and pressure was low. New Battery installed in ALDIS lamp. After investigation found motor terminal marking was wrong same rectified and system started and found motor amps back normal as 18 amps, pump pressure is 12 bar, currently pump working satisfactory. Together with 2nd engineer all monthly pump change over carried out. Reefer compressor no 1 change over to no 2. Cargo pump prepare for cargo operation and pump motor observed and found satisfactory. |
| 3rd | At Anchorage | Machineries round taken. Distilled water pump motor connected and tried out. Sewage treatment plant tank level dvice removed from place cleaned and checked found satisfactory. Seawage treatment plant dishcharge pump tired out in auto mode and found working satisfactory. Navigation lighting system checked and found working satisfactory. |
| 4th | At Sea | Machineries round taken. Reefer system manually defrostting carried out. In thermal boiler alarm control device, Pre- active alarm modifed and connected to main alarm channel to stop bell ringing continous thermal boiler room, System tried out and found working satisfactory. Themal boiler fluid tempererature was showing wrongly in ecr after investigation found scale valve was wrong, same corrected for both thermal boiler and found working satisfactory. Fresh water generator salinity device was in alarm, salinity detector checked and all connection tightened and found salinity devise working satisfactory need to clean salinity cell. DG 1 F.O pressure switch removed from place and after calibration and overhauling put back in place tested and found working satisfactory. Leak test carried out in meat room and fish room and found satisfactory. |
| 5th | At Sea | Machineries round taken. Safety routine carried out. Fire alarm testing carried out. Deck service air starter and compressor inspection carried out. |
| 6th | At Sea | Machineries round taken. |
| 7th | At Sea | Machineries round taken. BA compressore starting switch fault rectified. New small bracket for air filter in alternator making in progress. Thermal oil fired boiler no 2, burner load motor assembly was stuck same rectifeid and boiler fired, found working satisfactory. General service battery charger inspection carried out. Draft gauges and pipe blow thru carried out and gauges checked found working satisfactory. Provision crane, and engine room crane safetis tried out and found working satisfactory. Mid ship crane safety tried out for hoisting and found not working, after investigation found by pass valve is not operating, require convenient time to fix the problem. |
| 8th | At Sea | Machineries round taken. Job carried out as per PM routine. Fresh water hydro-phore pump no 2-motor power supply disconnected and motor dismantled, stator winding and terminal inspection & cleaning carried out, also phase balance and megger test carried out and found satisfactory, both bearing removed from rotor and replaced with new one motor assembled back and together with pump tried out, found all are working satisfactory. Fresh water hydrophore pump no 1 pressure switch calibration carried out and pump cut in cut off tested found working satisfactory. Thermal Boiler no 2 burner fault rectified, found breaker was trip due hike in current same reset and tried out found Woking satisfactory. |
| 9th | At Sea | Machineries round taken. Job carried out as per PMS routine. Fresh water generator salinity meter was not working properly same removed from place and cleaned, all terminal and cable checked found salinity cell cable was damage same replaced with new one, system checked with fresh water as well as sea water found working satisfactory. AC blower inspection carried out, suction filter removed from place and cleaned, motor foundation and belt tightness checked, found satisfactory. AC plant, Reefer system stop for maintenance purpose. |
| 10th | At Sea | Machineries round taken. Job carried out as per PMS. Sewage treatment plant’s high-level alarm tried out. AC and reefer system safety alarm tried out. L.O transfer pump motor power supply disconnected and motor dismantled, stator winding and terminal inspection & cleaning carried out, also phase balance and megger test carried out and found satisfactory, both bearing removed from rotor and replaced with new one motor assembled back and together with pump tried out, found all are working satisfactory. |
| 11th | At Sea | Machineries round taken. Job carried out as per PMS routine. D.O transfer pump motor power supply disconnected and motor dismantled, stator winding and terminal inspection & cleaning carried out, also phase balance and megger test carried out and found satisfactory, both bearing removed from rotor and replaced with new one, motor assembled back and together with pump tried out, found all are working satisfactory. Magnetic compass signal to autopilot had error same calibrate together with 2nd officer. Ship’s whistle tried out from all the location and control panel inspection carried out, found all are satisfactory. Telegraph printer had error in print same reset found working satisfactory. Aldiss lamp and battery inspection and testing carried out, found satisfactory. Few busted lights replaced in accommodation. |
| 12th | At Sea | Machineries round taken. Job carried out as per PMS routine. Safety routine tried out. Fire alarm tested as per routine schedule. All battery and battery charger tested. |
| 13th | At Sea | Machineries round taken. Job carried out as per PMS routine |
| 14th | At Sea | Machineries round taken. Job carried out as per PMS routine, Emergency Escape lighting fault attended. Incinerator all alarms tried out. |
| 15th | At Sea | Machineries round taken. Job carried out as per PMS routine. Both Aux blower starter panel for M/E inspection and terminal connection checked found all satisfactory. All accommodation lighting checked and fused one replaced with new one. El. Stores and outside store cleaned and arranged. Emergency generator load test tried out at sea and found working satisfactory. DG # 2 alarm and trips tried out. |
| 16th | At Sea | Machineries round taken. Job carried out as per PMS routine. Emergency generator Low LO pressure alarm tried out and quick closing valve tried out found satisfactory. DG 2 low LO pressure switch calibration carried out. New step up transformer installed for GMDSS walkie talky charger. |
| 17th | At Sea | Machineries round taken. Job carried out as per PMS routine. Busted lamp replaced in accommodation. 110 VAC earth faults attended. COP remote stop circuit tested found satisfactory. M/E OMD and FO leak alarm tested. D.O service tank low level and high-level alarm tested and found satisfactory. |
| 18th | At Port | Machieries round taken. Job carried out as per PMS routine. Bottom plateform and 3rd deck in E/R lighting fault attended. Together with PSC inspector EMRGENCY telphone in steering room, Emergency steering and emergency generator tried out. |
| 19th | At Port | Machieries round taken. Job carried out as per PMS routine. Safety routine and round carried out. New steam valve controller installed in Viscocity controll system and system tried out found satisfactory. Incinerator burner motor removed from place, dismentaled and both bearing for rotor shaft replaced motor casing and winding cleaning carried out and meger + phase balance checked found all are satisfactory, motor assembled back and installed on place, system tried out and found satisfactory.  Assitance provided and work together with BWMS techniciabn for commisisoning BWMS. |
| 20th | At Port | Machieries round taken. Job carried out as per PMS routine. Assitance provided and work together with BWMS techniciabn for commisisoning BWMS |
| 21st | At Anchorage | Machineries round taken. Job carried out as per PMS routine. Assited BWMS technicns. Troubleshooting carried out with BWMS EC system and Panel. |
| 22nd | At Anchorage | Machineries round taken. Job carried out as per PMS routine. Assited BWMS technicns. All alrms and trips for IG tried out. All automation for IG system checked and tested found satisfactory. In simulation all IG valves tried out found satisfactory. Temparary controll air provied in IG atmospher and IG main valve to control the valve postion. Troubleshooting carried out with BWMS EC system and Panel. |
| 23rd | At Anchorage | Machineries round taken, Job carried out as per PMS routine. Both Life boat davit limit switch checked and tested found satisfactory. All alarms and change over of pumps tried out in Steering gear system and found all are working satisfactory. |
| 24th | At Port | Machineries round taken. Job carried out as per PMS routine. Assisted BWMS techncian for BWMS system. Found in BWMS rectifier was not working more than 26 minutes and cooling water system checked found there was no flow, in the cooling system additional weldon pump installed to make water flow in the system. |
| 25th | At Port | Machineries round taken. Job carried out as per PMS routine. Assisted BWMS techncian for BWMS system. BWMS rectifer tried out with cooling system found it start working more than 45 minutes. Still troubleshooting is in progress with technician. |
| 26th | At Sea | Machineries round taken. Job carried out as per PMS routine. Safety routine carried out. Busted lamp replaced in Thermal boiler room. |
| 27th | At Sea | Machineries round taken, Job carried out as per PMS. |
| 28th | At Anchorage | Machineries round taken. Job carried out as per PMS routine. Both main air compresso starter panel inspection carried out. Elctrical spares arranging and inventory is in progress. Busted navigational lamp replaced. Freezer room for meat and fish manualy defrosting carried out. |
| 29th | At Anchorage | Machineries round taken. Job carried out as per PMS routine. COT 1 STBD ullage was not showing correctly and on the display error alam coming as per the manual troublshooting and Emerson technician troubleshooting instruction, troublshooting carried out and it seems that COT 1STBD working normally, system under moniter. COT 6 port top temperature showing wrong reading, troubleshooting carried out as per manual instruction and still problem exist. Electrical spares inventory is in progress. |
| 30th | At Sea | Machineries round taken. Job carried out as per PMS routine. Busted light replaced in accommodaton and thermal oil boiler room.Thermal boiler #2 starting fault attended.  Emergency meneuvring station telephone head set fault attended. |
| 31st | At Sea | Machineries round taken. Job carried out as per PMS routine.TGU for COT 1S checked and found working satisfactory still under ovservation. Thermal boiler boiler out put temperature set from 200 to 220°C to increase the cargo tank temperature, boiler under ovservaion. |

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