



STAMTECH SERVICES LIMITED

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Date: 03/10/2024

FINAL SERVICE REPORT

Job No.	PME/SSL/003	Today's Date
Client	SPDC	03/10/2024
Rig/Ship Name	Sea Eagle FPSO	Duration of job
Project	INSTALLATION AND CALIBRATION OF MIPEG-X	13 WEEKS
Callout Objective	INSTALLATION AND CALIBRATION OF MIPEG-X	
Equipment Involved	DPA, DPA & DPJ PEDESTAL CRANE	
Arrival Date Departure Date	NOVEMBER-03-2023.	

General Condition of Equipment

- DPA & DPB crane are fully in service.
- DPJ crane required remedial repairs.

Summary of Work Performed on Equipment (Within Initial Scope)

03/11/2023

- Arrived Naf-base exactly 7:45 am, went through the route of clearance, Checking-in and helicopter briefing then boarded chopper exactly 12:21pm.
- Arrived Sea Eagle FPSO exactly 1:38pm.
- Went through all the processes of Checking-in and briefing/ safety induction lasted up to 4:25pm.
- Went in for a short meeting with MTCE Supervisor Concerning the job we came for and while that one was going on SYMP crane issues came up (repair of SYMP crane winch) Supervisor suggested that we should assist the Technician on the ground to resolve the issue.
- Made enquirer if the Material for Load indicator going to DPA, DPB and DPJ cranes has arrived Sea Eagle.
- Exactly 5:10pm we were paged to disembark Sea Eagle for Ella Boat where we are allocated for Accommodation.

04/11/2023

- Arrived Sea Eagle from Ella board Exactly 7:20am.
- Joined the ongoing toolbox meeting with the maintenance folks.
- Scope the job on the SYMP crane.
- prepared permit to work obtained approval from the permit approval then signed by work team.
- Mobilize Tools and Materials to the job site.
- install 3 defected hydraulic hoses on the crane.
- Encountered serious challenges while trying to installing the fourth hydraulic hose (fittings problems)
- While looking for a solution to that, I went ahead with the material man on board offloaded the container where all the three different load indicator, wires and accessories are.
- Arranged the Material (Load Indicators) according to their locations.



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- Continue with the SYMP crane by looking out for fittings.
- Meet with the MTCE Supervisor one on one, on the issue of Fitting a suggestion was made which will be carried out to tomorrow.
- Carried out housekeeping within the work areas.
- Repairing SYPM crane winch is Ongoing.

05/11/2023

- Revalidated E-permit by permit approval and signed by the work team.
- Moved to the site with some special tools to enable us take out the stubborn fitting hose from control valve so we can install the new one.
- Finally, the hose fitting was removed rigorously and the new one was installed.
- Carried out functional test on the winch drum, discovered that the winch drum of the crane wasn't working well not going front nor back.
- Bladed all the new hydraulic hose yet didn't achieve much just turning small.
- Preview the connections of all the hydraulic lines on the crane to see if there is a missing connecting point, and found none.
- Dry off spill hydraulic oil with absorbent pad.
- Will continue by troubleshooting on the motor side of the winch tomorrow
- Carried out housekeeping on the crane and around it
- Job is Ongoing.

06/11/2023

- Depart Shell air operation via caverton flight at about 1305hrs and arrived Sea Eagle at about 1415hrs.
- Watched safety briefing orientation video and undergo SHE induction, and was shown around the FPSO lasting till 1600hrs.
- Meeting with the Acting Mechanical supervisor and maintenance supervisor.
- Discuss work scope and logistic requirement to access location all outside of FPSO'
- Depart Sea Eagle SPFO at about 1725hrs for Ella boat accommodation.
- Arrive Ella Conqueror boat at 1805hrs and undergo safety briefing and orientation.

07/11/2023

- Depart Accommodation boat at 0635hrs via boat transfer, arrived sea eagle at 0710hrs
- Attended safety/maintenance meeting at Sea -Eagle FPSO
- Meeting with the Acting Mechanical supervisor and the team to discuss work scope
- Work with team troubleshooting non-functional winch on symp crane after installation.

08/11/2023

- Depart Accommodation boat at 0635hrs via boat transfer, arrived sea eagle at 0710hrs
- Attended safety/maintenance meeting at Sea -Eagle FPSO
- Meeting with the Mechanical supervisor and the team to discuss work scope
- Preparation of permit and getting authorization to commence work.
- Assess and scope the removal/repair of leaking hydraulic oil cooler on Symp crane.
- Depart Sea Eagle for EA platforms at 1415hrs.
- Carry out survey and evaluation of site specifics for installation of Mipeg X on EA-DP-B and J cranes
- Arrived Sea Eagle at 1710hrs and depart to accommodation boat
- Arrived accommodation boat at 1810hrs.

09/11/2023

- Depart Accommodation boat at 0635hrs via boat transfer, arrived sea eagle at 0710hrs
- Attended safety/maintenance meeting at Sea -Eagle FPSO
- Meeting with the Mechanical supervisor and the team to discuss needed support and logistic for installation to commence
- Preparation of permit and getting authorization to commence work.
- Staging of Mipeg materials for EA-DP-J, A and B crane installation
- Transfer of materials to crane pick up point.

10/11/2023

- Attended safety/maintenance meeting at Sea -Eagle FPSO
- Meet with the Mechanical supervisor and the team to discuss the commencement of installation of Mipeg X on crane.
- Highlight sight specific requirement for installation of Mipeg X on EA-DP- A, B and J cranes.
- Preparation of permit and getting authorization to commence work.
- Planned visit to EA-DP- PA during morning hours but it did not work out due to logistics constraint
- Support mechanical personnel to scope for re-alignment of main hoist wire rope on the lattice boom crane.
- Depart Sea Eagle FPSO at 1330hrs for EA-DP-A to scope for the installation of Mipeg X load monitoring system.
- Carried housekeeping within the job area.
- Arrive Sea Eagle FPSO at 1725hrs.

11/11/2023

- Meet with mechanical team and the mechanical supervisor at 0640hrs to discuss the days job.
- Attended safety/maintenance meeting with the maintenance supervisor at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- Planned visit to EA-DP- RP was shelved as we were assigned to work with the mechanical team on Symp crane.



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- Support mechanical personnel to provide scaffold advice to be erected for the re-alignment of main hoist wire rope on Aft pedestal crane.

12/11/2023

- Meet with mechanical team and the mechanical supervisor at 0640hrs to discuss the day's job.
- Attended safety/maintenance meeting with the maintenance supervisor at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- Support mechanical team on removal of leaking hydraulic oil cooler on symp crane.
- Support mechanical team to re-align main hoist wire rope on the idler sheave on Aft pedestal crane.

13/11/2023

- Depart Accommodation boat at 0635hrs via boat transfer, arrived Sea Eagle at 0710hrs
- Attended safety/maintenance meeting with the maintenance supervisor and maintenance team
- Meet with Mechanical team and the mechanical supervisor to discuss the days task
- Preparation of permit and getting authorization to commence work.
- Support Mechanical team to complete the reinstatement of main hoist wire rope on Aft. Pedestal crane.
- Hand carry Mipeg X components, except load pin to boat landing, in readiness to visit EA-DP-J
- Depart Sea Eagle FPSO for EA-DP-J at 1400hrs
- Commence installation of Mipeg X on EA-DP-J pedestal crane.
- Arrived Sea Eagle FPSO at 1755hrs and depart to Ella boat accommodation.

14/11/2023

- Depart Accommodation boat at 0625hrs via boat transfer, arrived sea eagle at 0700hrs
- Attended safety/maintenance meeting with the maintenance supervisor and maintenance team
- Meet with mechanical team and the mechanical supervisor to discuss the days task
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA-DP-A at 0900hrs by boat, hand carrying all Mipeg X materials, except load pin.
- Commence installation on EA-DP-A: marked out suitable spots to install components in crane cabin.
- Unbolt and remove mounting plates for Mipeg X computer cabinet and power unit of display monitor and brought back to Sea Eagle FPSO for prep work.
- Drill holes on marked plate to dimensions for installation of Mipeg X display monitor and stand/attachment.
- Depart Sea Eagle FPSO via boat transfer at 1725hrs for accommodation boat.

15/11/2023

- Depart Accommodation boat at 0625hrs via boat transfer, arrived sea eagle at 0700hrs
- Attended safety/maintenance meeting with the maintenance supervisor and maintenance team
- Meet with mechanical team and the mechanical supervisor to discuss the days task
- Preparation of permit and getting authorization to commence work.
- Cut out marked section of cover plates for EA-DP- J and A to accommodate Mipeg X computer cabinet.
- Planned boat transfer to EA platforms was suspended due to inclement weather.
- Depart Sea Eagle FPSO via boat transfer at 1720hrs for Ella accommodation boat.

16/11/2023

- Depart Accommodation boat at 0625hrs via boat transfer, arrived sea eagle at 0700hrs
- Attended safety/maintenance meeting with the maintenance supervisor and maintenance team
- Meet with mechanical team and the mechanical supervisor to discuss the days task
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA-DP-A at 0830hrs by boat, hand carrying Mipeg X computer component.
- Commence installation on EA-DP-B: marked out suitable spots to install components in crane cabin.
- Unbolt and remove mounting plates for Mipeg X computer cabinet and power unit of display monitor and brought back to Sea Eagle FPSO for prep work.
- Depart Sea Eagle FPSO via boat transfer at 1740hrs for Ella accommodation boat.

17/11/2023

- Depart Accommodation boat at 0635hrs via boat transfer, arrived sea eagle at 0705hrs
- Attended safety/maintenance meeting with the maintenance supervisor and maintenance team
- Meet with mechanical team and the mechanical supervisor to discuss the days task
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA-DP-A at 0900hrs by boat, hand carrying Mipeg X load sensor.
- Mark out mounting sport, drilled holes on plate and mount the AC/DC unit converter for Mipeg X system.
- Depart EA-DP-A platform for Sea Eagle FPSO at 1345hrs.
- Sort for suitable screws in Sea Eagle mech. w/shop to be used for installing Mipeg X Display monitor in crane cabin
- Depart Sea Eagle FPSO via boat transfer at 1725hrs for Ella accommodation boat.

18/11/2023

- Depart Accommodation boat at 0635hrs via boat transfer, arrived sea eagle at 0705hrs
- Attended safety/maintenance meeting with the maintenance supervisor and maintenance team
- Meet with mechanical team and the mechanical supervisor to discuss the days task
- Preparation of permit and getting authorization to commence work.



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- Depart Sea Eagle FPSO for EA-DP-A at 0900hrs by boat, with the mounting plate cut to size in FPSO w/shop.
- Drill holes for monitor stand/support and installed Mipege X monitor
- Mark out and take measurement for fabrication of mounting base for load angle sensor: prep work to be done in FPSO w/shop.
- Depart Sea Eagle FPSO via boat transfer at 1725hrs for Ella accommodation boat.

19/11/2023

- Depart Accommodation boat at 0635hrs via boat transfer, arrived sea eagle at 0705hrs
- Gather tools and materials required for the days tasked
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA-DP-A at 0745hrs by boat, with the mounting plate for boom angle sensor cut to size in FPSO w/shop.
- Remove old load pin/sensor and junction box
- Depart Sea Eagle FPSO via boat transfer at 1725hrs for Ella accommodation boat.

20/11/2023

- Depart Accommodation boat at 0635hrs via boat transfer, arrived sea eagle at 0705hrs
- Gather tools and materials required for the days tasked
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA-DP-A at 0745hrs for EA-DP-A.
- Install new load pin/sensor, drill holes on bracket support and mount junction box.
- Depart Sea Eagle FPSO via boat transfer at 1725hrs for Ella accommodation boat.

21/11/2023

- Depart Accommodation boat at 0620hrs via boat transfer, arrived sea eagle at 0642hrs
- Gather tools and materials required for the days tasked
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA-DP-A at 0715hrs for EA-DP-A.
- Isolate source of electrical supply, disconnect and remove all inputs and outputs to old Mipege computer cabinet,
- Remove old cables from duck and the old Mipege computer cabinet.
- Remove old boom angle sensor and Install new one.
- Run load sensor cable through piping duct across boom length and boom angle cable.
- Depart EA-DP-A platform for Sea Eagle FPSO via boat transfer at 1645hrs for Ella accommodation boat.

22/11/2023

- Depart Accommodation boat at 0640hrs via boat transfer, arrived sea eagle at 0715hrs
- Attended safety/maintenance meeting with the maintenance supervisor and team on arrival.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA-DP-A at 0900hrs.
- Conduct tool box talk, assign roles and responsibilities.
- Mark out and drill holes for mounting the new Mipege computer cabinet.
- Install the new computer cabinet and plug cable glands through sized box holes.
- Depart EA-DP-A platform for Sea Eagle FPSO at 1645hrs and subsequently transferred to Ella accommodation boat.

24/11/2023

- Depart Accommodation boat at 0620hrs via boat transfer, arrived sea eagle at 0645hrs
- Attended safety/maintenance meeting with the maintenance supervisor and team on arrival.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA-DP-A at 0800hrs.
- Conduct tool box talk, assign roles and responsibilities.
- Connect Mipege X system to 240Volts AC supply and energize the system.
- Power ON the system and run checks.
- Look out for, Owners Name Code, Units, Display Project Version, FW Version Display, SW Version On Main board.
- Run system functions checks and test, ensure Mipege X installed is for Project EA-DP-A pedestal crane from systems function as intended.
- Depart EA-DP-A platform and arrive Sea Eagle FPSO at 1715hrs and subsequently transferred to Ella accommodation boat.

25/11/2023

- Depart Accommodation boat at 0620hrs via boat transfer, arrived sea eagle at 0645hrs
- Attended safety/maintenance meeting with the maintenance supervisor and team on arrival.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA-DP-A at 0800hrs.
- Conduct tool box talk, assign roles and responsibilities.
- Performs settings and parameter adjustment.
- Commence calibration of system functions in preparation to return crane back to service.
- Depart EA-DP-A platform and arrive Sea Eagle FPSO at 1715hrs and subsequently transferred to Ella accommodation boat.

26/11/2023

- Today's report remains same as yesterday as we have NTR (Nothing To Report) due to inclement weather.
- For other work fronts; EA- DP- B and EA -DP - J.



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Date: 03/10/2024

- We have successfully moved all the Mipeg X materials required for installation at EA - DP - J To the platform.
- We have measured and cut out cabin plate section for installation of Mipeg X cabinet. And prep work which involves cutting galvanized steel plate to size and drilling of holes for base support and mounting of inclinometer. The monitor support/stand is also ready for installation. Scaffold, which was a factor of delay, is in place for removal of old load measuring pin, terminal box and cable. We can categorically place percentage completion of Mipeg X installation on EA - DP - J platform at 33%.
- For EA - DP - B platform, the prep work on cabin plate and base support for inclinometer is also ready, Mipeg X load measuring pin is the only material that was transferred to the platform and is kept in the switch gear room. Scaffold is also in place for the installation of load pin. Percentage completion is at 15%.

27/11/2023

- Depart Accommodation boat at 0620hrs via boat transfer, arrived sea eagle at 0645hrs
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA-DP-J at 0745hrs, to check the setting on crane limit switch.
- We could not open the limit switch enclosure due to corroded screws on the cover, we returned to Sea Eagle FPSO.
- Depart to EA - DP - A at 1230hrs, and begin troubleshooting on limit switch and luffing down circuit.
- Depart EA-DP-A platform and arrive Sea Eagle FPSO at 1715hrs and subsequently transferred to Ella accommodation boat.

28/11/2023

- Depart Accommodation boat at 0620hrs via boat transfer, arrived sea eagle at 0645hrs
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA-DP-J at 0745hrs, to check the setting on crane limit switch.
- Depart Sea Eagle FPSO to EA - DP - A at 1230hrs, and begin troubleshooting on limit switch and luffing down circuit.
- Carried out continuity checks and voltage test on the 24V DC luffing solenoid/hoisting and luffing circuit.
- Voltage drop was observed on the contactor supply to coil, due to loosen connection. It was corrected and the boom lowered to boom rest.
- Depart EA-DP-A platform and arrive Sea Eagle FPSO at 1645hrs and subsequently transferred to Ella accommodation boat.

NOTE: Luffing solenoid needs replacement.

29/11/2023

- Depart Accommodation boat at 0620hrs via boat transfer, arrived sea eagle at 0645hrs
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA-DP-J at 0745hrs, to check the setting on crane limit switch.
- Depart Sea Eagle FPSO to EA - DP - A at 1430hr and arrived at 1500hrs.
- Carry out zero-point calibration of inclinometer.
- Depart EA-DP-A platform and arrive Sea Eagle FPSO at 1645hrs and subsequently transferred to Ella accommodation boat.

22/12/2023

- Depart Accommodation boat at 0645hrs via boat transfer, arrived sea eagle at 0705hrs.
- Attended safety/maintenance meeting at Sea -Eagle FPSO
- Meet with acting mechanical supervisor and the team to discuss work plan for the day.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO to EA - DP - B at 0910hr.
- Commence toolbox talk with team member on arrival, assign roles and responsibilities.
- Mark out drilling points for monitor/com A termination unit, and drill mounting holes.
- Install the termination unit and secure with bolts.
- Scope for the possibility of using step ladder to remove old load pin and replace with new one.
- Depart DP B for Sea Eagle FPSO at 1625hrs and subsequently transferred to Ella accommodation boat at about 1755hrs.

23/12/2023

- Depart Accommodation boat at 0640hrs via boat transfer, arrived sea eagle at 0700hrs.
- Attended safety/maintenance meeting at Sea -Eagle FPSO
- Meet with acting mechanical supervisor and the team to discuss work plan for the day.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO to EA - DP - J at 0910hr,
- Picked up pre-fabricated mounting plate for inclinometer and Mipeg display unit on arrival.
- Depart DP- J for DP - B to continue with planned task for the day.
- Commence toolbox talk with team member on arrival, assign roles and responsibilities.
- Mark out drilling points for inclinometer base plate, and drill mounting holes.
- Install the inclinometer base plate and secure with bolts.
- Unscrew and remove existing mounting base of Mipeg 2000R and attached base plate of Mipeg X and secured with bolts.
- Depart DP B for Sea Eagle FPSO at 1625hrs and subsequently transferred to Ella accommodation boat at about 1755hrs.

24/12/2023

- Depart Accommodation boat at 0630hrs via boat transfer, arrived sea eagle at 0645hrs.
- Attended safety/maintenance meeting at Sea -Eagle FPSO
- Meet with acting mechanical supervisor and the team to discuss work plan for the day.



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- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA – DP – B at 0845hr.
- Take crane out of service and progress with the job.
- Identify and disconnect power supply to Mipeg 2000R.
- Disconnect old/existing inclinometer, mount new one and secure with bolt
- Disconnect old/existing Mipeg 2000R display monitor, installed the Mipeg X display monitor and connect to power/com A junction box.
- Depart DP B for Sea Eagle FPSO at 1625hrs and subsequently transferred to Ella accommodation boat at about 1715hrs.

25/12/2023

- Depart Accommodation boat at 0630hrs via boat transfer, arrived sea eagle at 0645hrs.
- Attended safety/maintenance meeting at Sea –Eagle FPSO
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA – DP – B at 0745hrs.
- Conduct tool box talk on arrival with team member.
- Disconnect all input and output cable to old/existing Mipeg 2000R computer cabinet.
- Remove cable from cable glands, unscrew and remove the old computer cabinet
- Mark out mounting points for new computer cabinet, drill holes and install Mipeg X computer cabinet.
- Depart DP B for Sea Eagle FPSO at 1625hrs and subsequently transferred to Ella accommodation boat at about 1715hrs.

26/12/2023

- Depart Accommodation boat at 0640hrs via boat transfer, arrived sea eagle at 0708hrs.
- Attended safety/maintenance meeting at Sea –Eagle FPSO
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA – DP – B at 0840hrs.
- Conduct tool box talk on arrival with team member.
- Run new input and output cables from components/source to Mipeg X computer cabinet
- Connect cables and terminate properly.
- Depart DP B for Sea Eagle FPSO at 1625hrs and subsequently transferred to Ella accommodation boat at about 1715hrs.

27/12/2023

- Depart Accommodation boat at 0640hrs via boat transfer, arrived sea eagle at 0708hrs.
- Attended safety/maintenance meeting at Sea –Eagle FPSO.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA – DP – B at 0815hrs.
- Conduct tool box talk on arrival with team member.
- Disconnect cable to load measuring pin, unscrew bolt on pin bracket and remove old load measuring pin and terminal box.
- Removal of old cable along crane boom/ piping was possible half way due to bent and twisted section of piping, making the cable difficult to pull out from tubing.
- Install new load measuring pin, secure with bracket and bolted.
- Mount new terminal box and cable gland and connect load measuring pin to respective terminals.
- Depart DP B for Sea Eagle FPSO at 1640hrs and subsequently transferred to Ella accommodation boat at about 1755hrs.

28/12/2023

- Depart Accommodation boat at 0640hrs via boat transfer, arrived sea eagle at 0708hrs.
- Attended safety/maintenance meeting at Sea –Eagle FPSO.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA – DP – B at 0925hrs.
- Conduct tool box talk on arrival with team member.
- Continue with the Removal of old cable along crane boom/ piping, from boom tip to boom foot.
- Replace cable along same length of tubing from boom tip to boom foot.
- Terminate cable at the junction box and Mipeg X computer cabinet.
- Run continuity checks and resistance measurement on all connected cables and components.
- Check for voltage in 24V circuit and 240V circuit, ensure voltage is correct as intended on wiring diagram.
- Power ON Mipeg X computer cabinet and perform circuit checks for voltage and signal adequacy.
- Depart DP B for Sea Eagle FPSO at 1640hrs and subsequently transferred to Ella accommodation boat at about 1755hrs.

29/12/2023

- Depart Accommodation boat at 0640hrs via boat transfer, arrived sea eagle at 0708hrs.
- Attended safety/maintenance meeting at Sea –Eagle FPSO.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA – DP – B at 0805hrs.
- Check inclinometer zero angle voltage reading, carry out adjustment when/if necessary.
- Power ON crane, operate and confirm angle and load reading on Mipeg X display monitor.
- Operate crane and perform functional checks to ensure it operates as per Mipeg X wiring circuit and set up.
- Troubleshoot faulty slew function on crane and carry out corrective maintenance.
- Return crane to a save condition and carry out housekeeping.



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- Crane is back to service and is operational in, As Found Condition. Pending calibration of Mipeg X and replacement of faulty component of slew system.
- Depart DP B for Sea Eagle FPSO at 1640hrs and subsequently transferred to Ella accommodation boat at about 1755hrs.

NOTE: Nonfunctional slew function is caused by failed zener barrier connected between slew sensor and the circuit.

Component name and model: Peperl + Fuchs; KFD2-SR2-Ex2W.

30/12/2023

- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Meet with acting mechanical supervisor and the team to discuss work plan for the day.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for EA - DP - J at 0900hr.
- Commence toolbox talk on arrival, assign roles and responsibilities.
- Carry out pre-use visual checks on DP J pedestal crane.
- Electrical isolator to crane push button station was found OFF, it was turned ON.
- Power ON crane and function test to confirm As Found Status.
- Hoisting function UP and DOWN was found ok.
- Boom Function UP and DOWN was found ok.
- Slew function LEFT and RIGHT was found ok
- Hoisting UPPER limit was functional.
- Cabin light, one was functional and one was bad. Boom flood light and bacon light was not functional.
- Crane cabin in a depreciating condition, with severe corrosion and pitting on cabin doors, plated body and glass frame.
- Oil leaks observed underneath the cabin and around the pedestal main deck.
- Switch OFF electrical isolator to Crane power supply.
- Return crane to safe condition for installation activities to progress.
- Remove bolts on side cover plate of crane cabin, marked and drill mounting holes on plate, for Mipeg X AC/DC power unit.
- Depart DP B for Sea Eagle FPSO at 1705hrs and subsequently transferred to Ella accommodation boat.

01/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- Could not make it out to DP J due to logistics challenge.
- Carried out prep work on a cut out base plate for mounting inclinometer at Sea Eagle FPSO mechanical workshop
- Mark out and drill four holes for mounting base plate and four holes for mounting inclinometer on the base plate.
- Work with electrical and warehouse man to check for the zener barrier that is required to rectify faulty BP B pedestal crane slew system fault.

02/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for DP J at 0745
- Mark out and drilled mounting holes on inclinometer support brackets on crane boom.
- Attached inclinometer to base plate, secure with bolt. Mount the base plate on support bracket on boom, and secure with bolts.
- Install the Mipeg X display monitor and connect to Power/Com junction box.
- Connect cables to the AC/DC converter unit
- Depart DP J for Sea Eagle FPSO at 1600hrs.

03/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for DP J at 1245hrs due to logistics challenge.
- Carry out tool box talk with team member on arrival.
- Disconnection all input and output cable to the Mipeg 2000R computer cabinet.
- Unscrew all cable glands and remove cable to free up existing computer cabinet.
- Support the cabinet, due to its heavy weight, unscrew securing bolts and remove cabinet.
- Mark out and drilled mounting holes on cabin plate for new Mipeg X computer cabinet.
- Install the Mipeg X computer cabinet and secure with bolts.
- Depart DP J for Sea Eagle FPSO at 1720hrs.

04/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for DP J at 1035hrs.
- Carry out tool box talk with team member on arrival.



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Date: 03/10/2024

- Unscrew bolts on load pin bracket and remove bracket.
- Secure sheave along its circumference, without inducing tension on load pin.
- Slowly apply force to pin from one end until pin is out of sheave bore
- Ensure the bushing is not displaced from sheave hub.
- Clean off old grease and dirt from sheave bore, apply a small amount of grease and push in new load pin.
- Place back sheave bracket and secure with bolts.
- Depart DP J for Sea Eagle FPSO at 1645hrs.

05/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for DP J at 1215hrs.
- Carry out tool box talk with team member on arrival.
- Remove old/existing cable for Mipeg 2000R on pipe ducting along boom.
- Run connecting cable through cable piping along boom length, from boom tip.
- Mark out and drill mounting hole for load pin junction box at the boom tip.
- Terminate cable on the junction box at boom tip.
- Depart DP J for Sea Eagle FPSO at 1645hrs

06/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for DP J at 0845hrs.
- Carry out tool box talk with team member on arrival.
- Carry out termination of cable on individual component/unit within the system.
- Connect input and output cable to specified slots on Mipeg X computer cabinet.
- Run continuity checks and resistance measurement on all connected cables and components
- Check for voltage in 24V circuit and 240V circuit, ensure voltage is correct as intended on wiring diagram.
- Depart DP J for Sea Eagle FPSO at 1630hrs

07/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for DP J at 0845hrs.
- Carry out tool box talk with team member on arrival.
- Power ON Mipeg X computer cabinet and perform circuit checks for voltage and signal adequacy.
- Check inclinometer zero angle voltage reading, carry out adjustment when/if necessary.
- Power ON crane, operate and confirm angle and load reading on Mipeg X display monitor.
- Depart DP J for Sea Eagle FPSO at 1120hrs.
- Visited DP B at 1345hrs, for replacement of nonfunctional zener barrier connected between slew sensor and its circuit, that causes slew system malfunction.
- Crane slew system was tested and confirmed to be ok after the replacement of zener barrier.
- Depart DP B for Sea Eagle FPSO at 1630hrs.

NOTE: Outstanding task to be performed prior to calibration of Mipeg X system on crane DP J pedestal crane.

- Provide earth for inclinometer
- Properly arrange connected cables and secure with tie rap
- Operate crane and perform functional checks to ensure it operates as per Mipeg X wiring circuit and set up, before returning crane back to service.

08/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for DP A at 0845hrs.
- Carry out tool box talk with team member on arrival.
- Troubleshoot nonfunctional slew system on the pedestal crane.
- Slew motion was possible in forward direction only at the close of task for the day.
- Depart DP A for Sea Eagle FPSO at 1610hrs

09/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- Depart Sea Eagle FPSO for DP A at 0845hrs.



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- Carry out tool box talk with team member on arrival.
- Continue with Troubleshooting of nonfunctional slew system on the pedestal crane.
- Rectified slew system fault and crane was able to swing in both directions, left and right.
- Depart DP A for Sea Eagle FPSO at 1110hrs.

10/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Sea Eagle FPSO mechanical and operations crew change.
- Meet with the marine supervisor to get information on Dynamometer and water bag and possible ETA. Ella boat did not depart Onne as at time of discussion.
- Discussed with marine supervisor, movement plan for water bag on arrival at Sea Eagle FPSO and method to deploy in using the water bag for the calibration of the Mipeg systems on the crane.
- Meet with the new crew of mechanical team, discussed outstanding task and possible areas of support that will be required
- Visit to any of the outstanding location was not possible due to logistics challenge.

11/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Depart Sea Eagle FPSO for DP J at 0745hrs.
- Carry out tool box talk on arrival.
- Close out outstanding task on DP J Mipeg X installation.
- Depart DP J for Sea Eagle FPSO at about 1100hrs.
- Depart Sea Eagle FPSO at 1330hrs for RP A to survey and troubleshoot Mipeg 2000R system fault on the 21T box boom pedestal crane.
- Carried out checks on the Mipeg 2000R system on arrival and record findings.
- Depart RP A for Sea Eagle FPSO at 1645hrs.

12/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Depart Sea Eagle FPSO for RP A at 1345hrs.
- Carry out tool box talk on arrival
- Power ON Mipeg 2000R and commence troubleshooting.
- Verified operators display unit, using assigned buttons, no feedback was observed.
- Operators display unit is defective and needs replacement.
- Checked cable connected between inclinometer and Mipeg computer unit, no open or short circuit.
- Resistance reading between gain and SGND was not satisfactory, cable needs replacement.
- Checked inclinometer voltage at zero degree angle, BAS+ range was below recommended value.
- Inclinometer needs to be adjusted or replaced, scaffold is required to perform task.
- Master II card is also required to complete task as SPN points to its replacement.
- Depart RP A for Sea Eagle FPSO at 1645hrs.

13/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- No field boat/logistics to visit platform as planned.

14/01/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Sort for Mipeg 2000R component in the store, which will be needed to carry out repair of Mipeg system on RP A crane.
- Checked and confirmed the availability of Mipeg 2000R components (master II card and Mipeg2000R display) in the store.
- Outstanding task as at today is, the calibration of Mipeg X on DP A, B and J pedestal cranes. And also the repair of RP A Mipeg 2000R. Scaffold is required to carry out task.

16/05/2024

- Depart NAF base via Bristow flight at about 1145hrs and arrived Sea Eagle at about 11245hrs.
- Watched safety briefing orientation video and undergo SHE induction
- Meet with the maintenance supervisor to discuss work scope and possible logistic arrangements
- Discuss work scope and logistic requirement to respective platform.

17/05/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- Meet with the store/Warehouse personnel to locate, identify and receive the 5 Ton water bag and 5Ton dynamometer.
- Carry out pre use checks on the water bag and dynamometer.



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Date: 03/10/2024

- Charge load cell battery for optimal performance.

18/05/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Meet and synergize with the marine department for the movement of water bag from Sea Eagle FPSO to EA platform.
- Engaged with the deck crew and aligned on the possible means of water supply to water bag for the calibration.

19/05/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Waiting on field vessel to transfer water bag to EA platform and also provide water.

20/05/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Waiting on field vessel to transfer water bag to EA platform and also provide water.

21/05/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Waiting on field vessel to transfer water bag to EA platform and also provide water.

22/05/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Waiting on field vessel to transfer water bag to EA platform and also provide water.

23/05/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Waiting on field vessel to transfer water bag to EA platform and also provide water.

24/05/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Identify and source for additional lifting tackles in readiness for the calibration of the Mipeg system.
- Discuss work scope and cascade required team support from crane operator and rigger to the mechanical team lead.

25/05/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Preparation of permit and getting authorization to commence work.
- While waiting to board the vessel, the day's activity was called off due to some technical issue with the vessel.

26/05/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Jobs waiting on field vessel support, suspended unavoidable due to malfunctioned field vessel. This was communicated during the maintenance morning meeting.

30/08/2024

- Arrived Sea Eagle FPSO 11: 38 hrs. of the day,
- Received safety briefing and induction.
- Introduction of personnel to mechanical supervisor.
- Commenced Work discussion and arrangement but we were informed that offtake is still ongoing, hence vessel is unavailable.

31/08/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Mipeg team where engage to support Mechanical team.

01/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Still waiting on field vessel Support hopefully tomorrow
- The mechanical supervisor asked Mr. Emmanuel and Mr. Oliver to start a V8 Cat Engine, did trouble shooting and gave my report back to the supervisor on the subject unit.
- At about 12:30 we visited DPB for work Scooping and to ascertain the function status of Mipeg but time did not permit us to power Mipeg.



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Date: 03/10/2024

- Also briefly visit DPA for site inspection and physical verification of unit, attempted to power Mipeg but due to time constrain it was not achieved.

02/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Planned movement to DP-B, DP-A and DP-J today was not successful, we Standby for boat going to the platform's but we didn't get call Out.
- Mr. Emmanuel and Oliver was engaged to perform maintenance on Mechanical group IGG Filters unit.

03/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Jobs waiting on field vessel Support by tomorrow
- Due to Nupeng strike we were not able to visit any of the platform.
- We were informed that there's no fuel for the vessel to operate
- Supported Mechanical support group.

04/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- We Visited DP J today And we were Able to set the angles and radius
- Also visited DP A and did trouble shooting on fail ON Mipeg system and it was resolved.

05/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Did housekeeping and Cleaning on IGG filters
- Travel to RP-A to troubleshoot and rectify fail to function luffing arm.
- Engine throttle accelerator was adjusted for efficient operation.
- Observed hydraulic fluid on reservoir tank very low, need to fill up to level.

06/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- We went to DPA to Set up the system for calibration.
- Went to RP A to top up Hydraulic on reservoir tank.

07/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Could not visit any of the platform due to marine logistic constraint.
- Supported Mechanical unit on their routine activities.

08/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Could not visit any of the platform due to marine logistic constraint.
- Supported Mechanical unit on their routine activities.

09/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Prepared Job Hazard analysis and obtain work permit from the (PA) permit approval
- Permit was reviewed by work team members and all necessary signature was pen down.
- Logistics arrange was made to go and calibrate DPA Mipeg but could not due to logistics constraint.
- Supported mechanical unit for routine activities and also perform general cleaning and housekeeping.

10/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Prepared Job Hazard analysis and obtain work permit from the (PA) permit approval
- Permit was reviewed by work team members and all necessary signature was pen down.
- Back Loaded water bag and the load cell from the FPSO to the vessel.
- Shipped Water bag and load cell alongside with necessary shackle to DPA platform.
- Upon arrival on DPA Platform Carry out visual inspection on crane component and superstructure for damage found okay.
- Prior to crane start up and commencement of calibration carry out the following check on crane.
- Checked condition of hydraulic oil level on reservoir tank and condition of hydraulic coolant found okay.
- Attempted using Water bag for the calibration but could not due to rough sea weather.
- Vessel Captain and Mr. Oliver the Mipeg Specialist by improvising means agreed to use a load that inside the vessel.



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Date: 03/10/2024

- Crane was position at angle of 52 degrees while crane radius at 29 degrees and Mipeg was successfully calibrated to safe working load of 0 to 5.6 ton
- Function test Mipeg system by lifting a load to ensure accuracy on calibrated Mipeg found okay.

11/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Revalidation of permitting process and getting authorization to sign.
- Arrangement was made to go to DPA but was later cancel at the morning hours due to some urgency at RPA and was rescheduled for 13:00 hrs.
- Came out to boat landing at about 13:00 hrs. in readiness for departure to DPA but could not due to bad weather and logistics constraint.

12/09/2024

- Attend the 0645hrs meeting with the acting mechanical supervisor with other members of the team to discuss work plan for the day
- Attended the Sea Eagle FPSO Safety/maintenance meeting at 0700hrs.
- Arrangement was made during the 0645hrs meeting to go to DPB after launch for the Mipeg calibration
- Revalidate permitting process and getting approval to sign
- Called out for DPB at 14:45hrs and later told to stand down due to the vessel not being available.

13/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Prepared Job Hazard analysis and obtain work permit from the (PA) permit approval
- Permit was reviewed by work team members and all necessary signature was pen down.
- Shipped Water bag and load cell alongside with necessary shackle to DPB platform.
- Upon arrival on DPB Platform Carry out visual inspection on crane component and superstructure for damage found okay.
- Prior to crane start up and commencement of calibration carry out the following check on crane.
- Checked condition of hydraulic oil level on reservoir tank and condition of hydraulic coolant found okay.
- Commenced Mipeg calibration by hooking up water bag and load cell on crane hook block.
- Crane was position at angle of 60 degrees while crane radius at 34 degrees.
- Introduction of sea water into the water bag to desired level and Mipeg was successfully calibrated to safe working load of 0 to 5.7 ton
- Upon Successfully completion of calibration disconnected water bag and load cell from crane hook block.
- Function test Mipeg system by lifting a load to ensure accuracy on calibrated Mipeg found okay.

14/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Prepared Job Hazard analysis and obtain work permit from the (PA) permit approval
- Permit was reviewed by work team members and all necessary signature was pen down.
- Shipped Water bag and load cell alongside with necessary shackle to DPJ platform.
- Upon arrival on DPJ Platform Carry out visual inspection on crane component and superstructure for damage found okay.
- Prior to crane start up and commencement of calibration carry out the following check on crane.
- Checked condition of hydraulic oil level on reservoir tank and condition of hydraulic coolant found okay.
- Commenced Mipeg calibration by hooking up water bag and load cell on crane hook block.
- Crane was position at angle of 64 degrees while crane radius at 15 degrees.
- Introduction of sea water into the water bag to desired level and Mipeg was successfully calibrated to safe working load of 0 to 5.5 ton
- Upon Successfully completion of calibration disconnected water bag and load cell from crane hook block.
- Function test Mipeg system by lifting a load to ensure accuracy on calibrated Mipeg found okay.
- Carried out general housekeeping.

15/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Report compilation and data entries.
- Sourcing and validation of RPA Mipeg repairs materials.

16/09/2024

- Attend the 0645hrs meeting with acting mechanical supervisor and team to discuss work plan for the day.
- Attended Sea Eagle FPSO safety/maintenance meeting at 0700hrs.
- Could not depart sea eagle due to bad weather and logistics constraint.



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Date: 03/10/2024

Final Remarks and Recommendations

- Mipeg-x has been completely installed on the above mention pedestal crane and are fully in service except DPJ crane that required remedial repairs before it can be fit for duty.
- The action items for DPJ are as followed:
 - Corroded/rusted operator cabin.
 - Leaking control valve.
 - Defective hydraulic hoses.
 - NDT on critical component required.
 - Slew ball ring measurement required.
 - 10 yearly crane inspection and recertification required.

Other Work Done

- Troubleshoot and repairs of fail to function winch on sea eagle FPSO SYMP crane.
- Replacement of damage hydraulic cooler on SYMP crane.
- Replaced leaking hydraulic hoses on SYMP crane.

Client:	Name: SPDC	Sign:	Date:
SSL	Name: Oliver Onuwa Anokwuru	Sign: 	Date: 03/10/2024