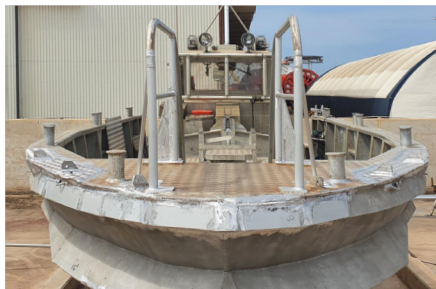


GLOBAL FPSO OPERATOR WORKBOAT REFURBISHMENT



PRE MAINTENANCE



MID MAINTENANCE



POST MAINTENANCE

EnerMech was awarded the repair and maintenance scope of work on offshore workboat vessels which support various FPSO's offshore Angola. Working closely with the client to understand their requirements, EnerMech delivered a full maintenance package led by our experienced team, resulting in a cost effective, reliable and safe solution.

Client: Global FPSO Operator

Year: 2022

Location: Angola

Service: Workboat Refurbishment

Scope of Work

A critical asset, the workboats are used by tankers loading and offloading hoses to floating buoys for fluid transfer to their FPSOs. The client undertook an initial vessel survey offshore and advised EnerMech on vessel defects they identified.

Required works comprised:

Engine (Volvo D12) and gearbox maintenance in-line with client requirements.

Vessel Repair with major hull and structural repairs and modifications, electrical overhaul, mechanical maintenance, paint removal and repaint of the vessel.

Evaluation and defect rectification of all vessel systems including load testing and recertification.

Commissioning sea trials with the vessel performance evaluation by the client.

Project Delivery

Major vessel spares and material orders were provided via EnerMech in the UK and South Africa. A significant amount of additional vessel defects were identified by EnerMech during onshore survey. A test run upon vessel receipt identified water ingress into the engine combustion system requiring major engine overhaul and rebuild work.

The original client defects list comprised of 63 maintenance and repair tasks. EnerMech undertook an additional 45 off defect rectification tasks and 11 off engine related defect rectification tasks.

The vessel was accepted by the client post sea trial, with the vessel improved in areas susceptible to damage. EnerMech delivered the assurance that the vessel was fit to withstand the rigours of high demand offshore use.

Key Benefits

EnerMech's highly experienced team have the specialist skills to carry out workboat vessel refurbishment.

EnerMech's quayside location in Luanda provides a convenient transport option and ideal facility for the overhaul of additional workboats, for both client vessel delivery and with close access for sea trials.

To support workboat repair and maintenance EnerMech can provide in-house aluminium welding and fabrication services, a dedicated vessel concrete maintenance area, with full water, air and electrical services, allowing onshore engine test running and equipment operations.