



Case Study

Rudder works

Hanging and overhaul

Site Activity area Year	Coal Pier – Sines Port Mechanical works 2022	Situation Assistance for hanging / supporting the rudder of an LPG vessel and its overhaul performing.
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Challenge

The STEP team (two mechanics and one welder) was attended vessel to give technical support for a rudder hanging and its overhaul.

As required, has been executed the below described activities, with the vessel a floating.



Action

- The rudder blade and rudder stock were suspended and supported using the existing hull pad eyes and auxiliary chain blocks, with divers' assistance;
- Total immobilization of rudder with welding of two steel bars;
- The rudder steering gear was opened and overhauled. It was performed the cleanliness of parts, inspection and replacement of O-rings and seals;
- It was carried out others maintenance operations as required.



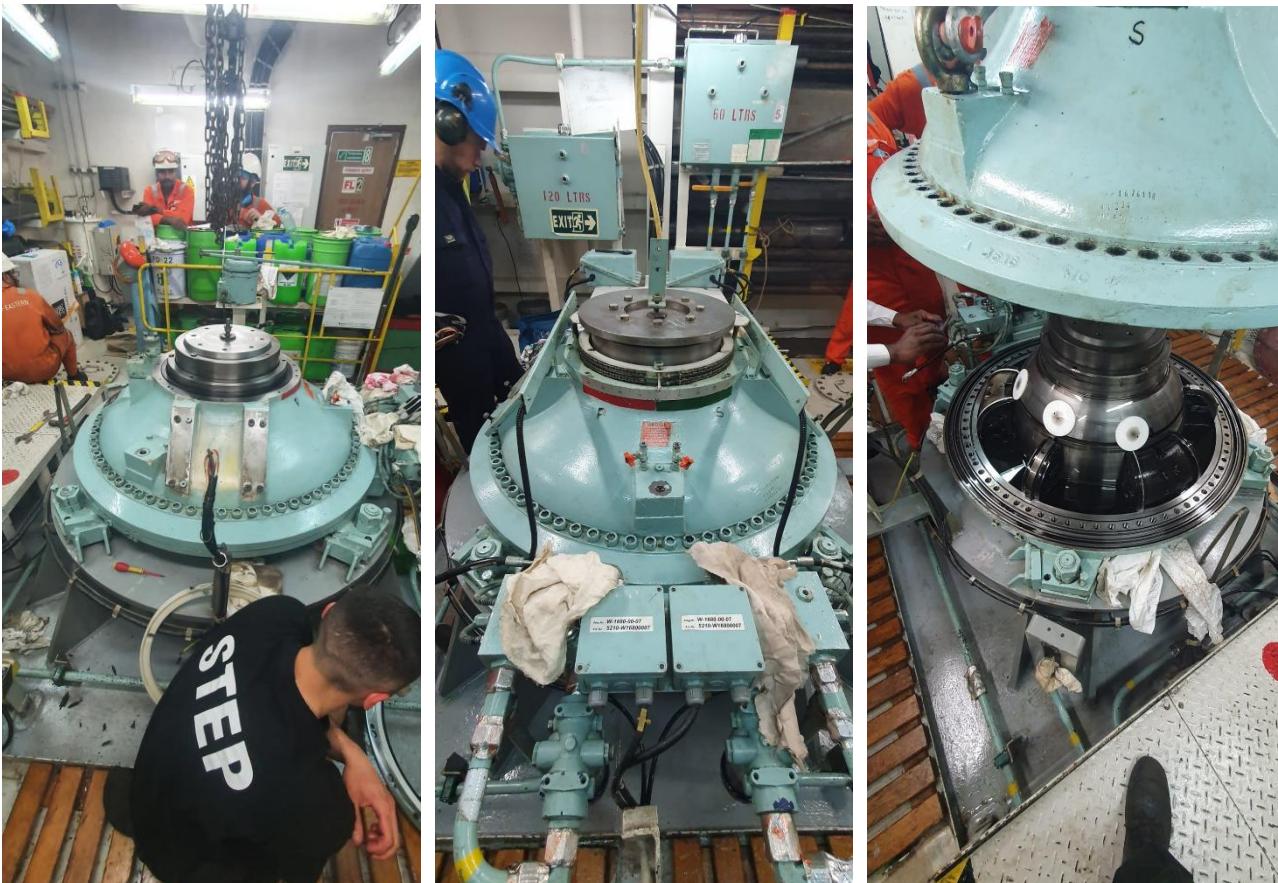
Floating jobs with barge for the rudder preparation.



Rudder works – Hanging and overhaul



Rudder immobilization by mean of chain blocks and bar welding.



Rudder steering gear opened and preparation for its cleanliness.





General view of steering gear.



Rudder steering gear opened and preparation for its cleanliness.

Results

The job was successfully concluded with an acceptable result.

Another successful completion.

*In Job Completion Form
"...very good job".*

Vessel's Master

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