

Assignment

Kraatz was contracted by the owners of a geo survey vessel to replace wear bars on the keel of a small work boat, as well as fit stiffeners and double plates on the bow to protect the vessel during launching and recovery operations.

Risk and challenges

The following risks and challenges had to be considered:

- Removing the work boat from the survey vessel and transport to one of our workshops.
- Improve on the current design (Pipes were previously fitted).
- Removing of damaged wear tubes without damaging the hull plates.
- Minimizing distortion.



Getting the job done

After taking all the risks and challenges into consideration, Kraatz proposed to the client to replace the current tubular wear bars with solid round bar.

A risk assessment was carried out and procedures put in place to eliminate or mitigate risk to personnel, equipment and environment.

The work boat was removed from the survey vessel deck, loaded onto a flatbed truck for transportation to the workshop.

The old damaged wear bars were remove using plasma cutters and new wear bars fabricated using Aluminum round bar.



New stiffener/double plates were cut and shaped to fit the inner and outer curve of both hulls. The new improved wear



bars were fitted and all welding completed.

With all welding completed NDE testing was done **Key learning's**

With proper planning and involving all key stakeholders, tough assignments can be delivered within tight deadlines, with no injuries to personnel and or damage to equipment.