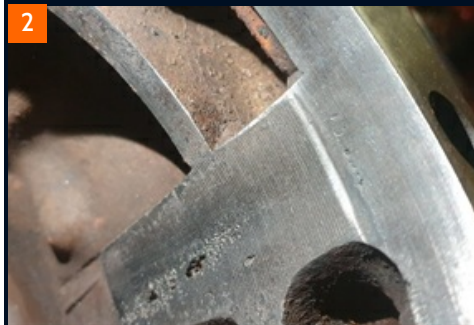


PASSENGER FERRY ENGINE CYLINDER REPAIR

ID: 10053



PROBLEM

An engine used to run one of the bow thrusters was found to have damage within its engine cylinders. This was suspected to be caused by cavitation between the wall & the cylinder liners.

APPLICATION SITUATION

A repair was required on these cylinders to stop the erosion/corrosion from going further into the cylinder wall. Hot works were undesirable on this equipment due to the risk of cracks or heat distortion.

APPLICATION METHOD

The identified areas were ground out using an angle grinder. Belzona 1311 was then applied 'proud' of the lost metal. Once the product had reached its initial cure stage it was then machined down flat with the metal.

BELZONA FACTS

Using the Belzona solution meant the application could be completed promptly with minimal risk to the equipment & disruption to the surrounding overhaul works.

INDUSTRY

Marine

LOCATION

Scotland, UK

APPLICATION DATE

January 2021

PRODUCTS

Belzona 1311 (Ceramic R-Metal)

SUBSTRATE

Carbon steel

PHOTOS

1. Vessel docked during overhaul
2. Damaged area identified
3. Surface preparation
4. Belzona 1311 applied & then machined flat with the surrounding metal

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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