

IN-SITU MACHINING OF CYLINDER LINER LANDING SURFACES

IN SITU MACHINING KEEPS DREDGER ON SCHEDULE

Suffering from frequent combustion gas leakage of No.4 and No.5 cylinder, ship owner requested Goltens to survey and clean up before the cutter-suction dredger was set to sail to carry out its dredging contracts. Goltens' survey revealed that the landing surfaces of cylinder liners had been damaged and required in-situ machining, and flatness checking.

Goltens proposal to complete the work at anchorage was accepted, and as the dredging schedule was tight, Goltens immediately mobilized its grinding machine and technicians to the vessel to complete the In-Situ work as well as grinding of fitting surface on cylinder covers.

REPAIRS CONSISTED OF:

- Flatness checking of No. 4, 5 and 6 cylinder covers with laser equipment;
- Grinding of landing surfaces of No. 4 and 5 cylinder liners
- Grinding of fitting surface of No. 4 and number 5 cylinder covers

RESULTS:

Goltens technicians completed this job within 7 days to keep up with owner's dredging schedule, quickly removing tools to move to another assignment.

PROJECT FACTS: M/E CYLINDER LANDINGS

Vessel: M/V HONG XIANG JUN
 Engine: PIELSTICK 12PC2-5V, 4 units × 5360KW
 Tonnage: 3943 DWT
 Dredge Capacity: 4,500m³/h

