

WARTSILA 9R32E ENGINE BLOCK REPLACEMENT GENERAL CARGO SHIP IN NYC

TransAtlantic Lines contacted Goltens to undertake the replacement of a damaged Wartsila 9R32E main engine block onboard their general cargo ship, the Transatlantic. The engine had experienced a piston failure which resulted in a connecting rod breaking through and severely damaging the block. A temporary repair had been completed but the customer needed the block to be replaced to effect a permanent repair.

Goltens arranged for a lay berth near its workshop and made the preparations to complete the job. The job was complicated by the limited space to rig the blocks and crankshaft in and out of the engine room.

REPAIRS CONSISTED OF:

- Disassembly of the engine
- Rigging of the damaged block out of the engine room
- Removal of the crankshaft to Goltens workshop for polishing and removal of high spots
- Rigging of the new block into the engine room
- Reassembly of the main engine
- Removal & reinstallation of all interferences including: enlarging the main deck access hatch, associated under deck structure, piping and engine room catwalks.
- Alignment and chocking of the reassembled engine
- Operational testing and successful sea trial

RESULTS:

All work was completed and tested to the satisfaction of the Owner's Representative, Chief Engineer, DNV and the USCG.

CUSTOMER TESTIMONIAL:

"The entire project was conducted in a competent and professional manner by Goltens' crew who worked long days to keep the job on schedule. Despite the complete disassembly of the main engine and associated equipment, the dock trial resulted in only normal adjustments to the engine while the sea trial was completely successful. Our company was very satisfied with Goltens' performance and would certainly use them for this type of project in the future."

Bill Tomalonis
TransAtlantic Lines, LLC

PROJECT FACTS:

Engine Make/Model:
Output:
Vessel Tonnage:

TRANSATLANTIC

Wartsila 9R32E
3,963kW at 720 RPM
4,599 DWT



Removal of the damaged block



Rigging repaired crankshaft onboard



Rigging replacement block onboard

