

CASE STUDY

US Navy – USS Boulder (LST-1190) Engine Removal

CLIENT SITUATION

The US Navy needed to remove two main propulsion diesel engines from the USS Boulder (LST-1190), an inactive Newport-class tank landing vessel. The ship first launched on April 22, 1970, and was commissioned on June 4, 1971. On February 28, 1994, Boulder was decommissioned and was placed in inactive reserve at the Naval Inactive Maintenance Facility in Philadelphia, PA. The engines would need to be disconnected and lifted vertically through various deck levels of the ship for removal. The two engines then had to be lowered pier side, wrapped, and sent to Fairbanks Morse in Norfolk, VA.



RHOADS SOLUTION

Rhoads Industries immediately got to work by arranging transportation of the 560', 4,793 long-ton vessel from the basin to Rhoads' Pier #5. The ship quickly arrived at Pier #5, and the Rhoads team could get to work on disconnecting the engines slated for removal. With prior experience removing similar equipment from the USS John F. Kennedy (CV-67), Rhoads was familiar with the requirements of accomplishing such heavy lifts in extremely tight ship's quarters and was able to complete the removal swiftly and safely. Each Alco diesel engine was disconnected, hoisted out of the ship, and carefully lowered back down to the pier. From there, they were packed and loaded onto a transportation vessel for their next move.

RESULT

Rhoads removed the first engine 20 days ahead of schedule and the second 35 days ahead of schedule. Following the seamless removal process, the engines were meticulously wrapped up and delivered to Fairbanks Morse in Norfolk, VA, successfully concluding the project on budget and without issue.

In a followup performance review of the project conducted by the Mid-Atlantic Regional Maintenance Center (MARMC), Rhoads was rated as Exceptional in every category. MARMC's Exceptional rating means that quality, planning, and performance meet all contractual requirements and exceed many to the customer's benefit.

Contact us today
to learn how
Rhoads Industries
can help with your
next project.

(267) 728-6300
info@rhoadsinc.com