



## USS KEARSARGE RETURNED TO THE SEA EARLY AFTER FAIRBANKS MORSE DEFENSE PERFORMS FULL ENGINE SWAP

### The Challenge

An unrelated lube oil system failure caused a prolonged loss of lubrication to the Fairbanks Morse Defense Diesel Generators onboard USS Kearsarge. The resulting damage to the engine was significant and included critical engine component failures finally cascading to an engine shutdown. Repairs of this magnitude typically involve removing the ship from operation and can take years to complete. This was not an option.

### FMD Solution

Numerous repair options were explored to minimize disruption to the USS Kearsarge to ensure the highest level of availability was maintained even while repairs were ongoing. Due to the extensive damage, the best option was to replace the entire engine. Fairbanks Morse Defense (FMD) worked closely with the US Navy and Tecnico to secure a replacement engine from the USS Boulder and exchange it with the damaged engine. The replacement engine was disassembled, inspected, reassembled, tested, and certified for use.

### Implementation

The complex task of removing and replacing the damaged engine was coordinated during the ship's scheduled in port periods. This provided the US Navy the ability to continue their important activities prior to deployment. The reassembled ALCO engine was installed onto the USS Kearsarge pier side without the need for the expense of a dry docking. The focus of FMD throughout was to ensure a flexible, collaborative, and well-orchestrated resolution of the problem to enable USS Kearsarge to deploy on time. In the first of its kind repair, working around constraints, the engine exchange evolution was successfully performed during a series of 6 short, in-port periods. Quite a feat to coordinate over a 9 month period but what you can expect from the team at Fairbanks Morse Defense. It was amazing to see her leave from Norfolk ready for action.

## STACKING THE DECKS

with best-in-class  
marine technologies  
and service solutions.

Fairbanks Morse Defense Service's team sole purpose is delivering exceptional services to maintain the highest operational availability of our customers' assets. It is a pleasure for us to serve and stack the decks in your favor to make everything you do possible.

We deliver an advantage to the U.S. fleet with a growing array of best-in-class marine technologies, OEM parts, technical support, and turnkey services – all from a single, trusted source.