

## CASE STUDY

# Sea Bulk Articulated Tug-Barge Sea-Power/ Sea-Chem

### CLIENT SITUATION

Seabulk Tankers, Inc operates a fleet of inland and offshore vessels transporting liquid bulk cargo for various customers throughout the US. During a routine voyage off the east coast of the US, one of Sea Bulk's articulated tug-barge vessels, the Sea-Power/Sea-Chem, experienced a severe casualty in its port propeller shaft, controllable pitch propeller (CPP), and shaft and stern tube strut, nearly losing the port propeller shaft strut. Sea Bulk requested emergency dry-docking services from Rhoads Shipyard and, after that, dry-docking and emergency repairs to the vessel, including mechanical and structural repair support.



### RHOADS SOLUTION

Over thirty days, both of the vessel's stern tube strut assemblies were replaced, necessitating removal, re-installation, and complete re-alignment of both shafts and CPP systems. While each of the vessel's shaft struts was replaced, specialized heat treatment before, during, and after welding was required, as well as close coordination between Rhoads personnel and various technical representatives supervising the precision alignment of the shafts, reduction gears, and engine foundations.

### RESULT

Rhoads returned the Sea Bulk Sea-Power/Sea-Chem to service in the minimum amount of time required to complete major repairs and a full overhaul of the ATB's propulsion systems.

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

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