

Seal Repair

For over two decades, Phoenix divers have routinely performed underwater replacements of all types and sizes of shaft seals. By creating a dry underwater working environment around the shaft, seal repairs can be carried out safely and efficiently to help keep your vessel on schedule.

All shaft seal repairs are performed in cooperation with the Original Equipment Manufacturer (OEM) and class approved procedures. Video footage and photo stills are taken before and after the repair or replacement and are provided to the client along with a detailed report.

Underwater Seal Repairs

- Bow & Stern Thrusters
 - Blade Palm Seal
 - Shaft Seal
 - Gear Case Seal Replacement
- CPP Blade Seals
 - Replacement Main Propulsion
- Face Seals
 - Wet Repairs and Replacement
- Lip Seals
 - Dry Repair or Replacement
 - Seal Ring Bonding
 - Spacer Ring Installation or Removal
- Propeller Blades
 - Palm Seal Replacement
- Stabilizers
 - Fin Shaft Seal
 - Crux Seal Repairs or Replacement
- Tunnel or Azimuthing Thrusters
 - Shaft and Blade Seal Renewal

Contact us to learn more

www.phnx-international.com

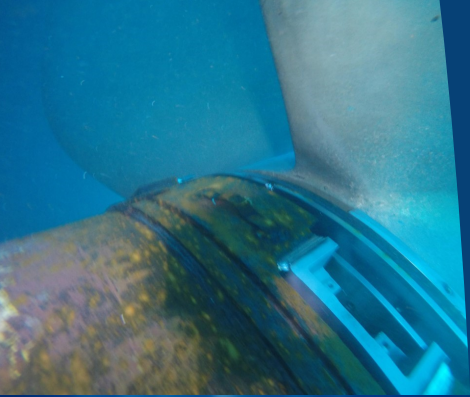
985.399.0606—Bayou Vista, LA | 954.523.4038—Ft. Lauderdale, FL

281.815.8050—Houston, TX | 301.341.7800—Largo, MD

757.855.7516—Chesapeake, VA | 808.486.6595—Aiea, HI

619.207.0871—San Diego, CA | 228.731.7898—Stennis Space Center, MS





Face Type and Lip Type Seals

Face type and lip type seals can be completely rehabilitated and serviced with OEM and class approved procedures. Face type seals can be rebuilt underwater in a “wet” environment, and lip type seals can be renewed (including the bonding of new seal rings) completely underwater using a lightweight, inflatable habitat to create a dry environment for up to two technicians.

Certified Divers

Phoenix’s diving division is comprised of experienced professionals with diverse skills and comprehensive knowledge developed on projects worldwide. They are fully trained and accredited, and routinely provide safe, high-quality underwater bonding of new seal rings, removal or installation of spacer rings, and even complete replacements.

Permanent Underwater Repairs

Phoenix has an American Bureau of Shipping (ABS) approved, Class A wet underwater fillet Welding Procedure Specification for ASTM A 131 and Group II steels of the American Welding Society D1.1 structural welding code. With this procedure, Phoenix can perform permanent underwater weld repairs to classed vessels including:

- Eroded rudder weld seams
- Mechanical repairs to high-lift rudders

Partner Network & Support Facilities

Phoenix diving teams have rapid response capabilities to any port across the globe. Additionally, we have partner network and support facilities in the following locations:

Cape Town, South Africa | Cartagena, Columbia | Curacao | Manama, Kingdom of Bahrain | Rotterdam, The Netherlands | Valparaiso, Chile



Phoenix International Holdings, Inc.

An employee owned company



ISO 9001