



MS MAGAZINE

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PANAMA LAY BERTHS AVAILABLE FOR SHIP REPAIRS



Panama has officially become the ship repair hub of the Americas. The wind is blowing in our back and as a country, we are maximizing our strategic location 100%. We are attracting shipowners to not only come and transit the Panama Canal or use our berths for the transshipment of cargo, but we are getting from the entire continent vessels that require fast, reliable, and certified repairs.

Even though we have natural anchorages in which we do all types of services and repairs that perfectly align with our offer as a country, we now have more than 10 lay berths that are willing and eager to get your vessel on their premises for ship repairs. On the Atlantic side of the Panama Canal, we have MIT Pier 9, Colon 2000 terminals, PPC piers, and Bahia Las Minas pier. Furthermore, on the Pacific side, we have PPC piers, PATSA, and Amador Terminal ready to attend your ships.



talleresindustriales -shiprepairs



@talleres_industriales



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PANAMA HUB OF SHIP REPAIRS



Panama has the perfect ecosystem to welcome any type and size of vessel for all types of repair services from complex emergencies to routinary maintenance jobs. We have been an easy place to do business and a maritime-oriented country since our existence. Our culture and tradition have forced us to look at and develop our industry and compete worldwide.

Now let's start explaining why you must choose Panama for your repairs, bunkers, or special operations.

1. Our ecosystems include two anchorages at both sides of the canal with sheltered areas for vessels to receive services or products.
2. Our infrastructure layby berths at the Atlantic side and at the Pacific side of the Panama Canal are always ready to receive vessels for repairs and special operations.
3. Our Qualified labor force with a worldwide experience.
4. Talleres Experience, for more than 55 years performing around 1,600 projects per year.
5. Talleres Infrastructure – workshops at both sides of the canal with a fleet of more than 20 supply boats, diving boats, deck barges, and crane barges.
6. Talleres Certifications which are unique and broad enough to attend almost any possible need.
7. The Panama Canal strongly supports import and export activities to Latin America, the Caribbean, and Europe.
8. Maritime Hub that has all major bunker suppliers, agents, insurance, and engine representatives.

In a nutshell – Panama is the safe haven for your vessel.

40 TONS OF STEEL RENEWAL COMING FROM PERU



A Panamax Bulk Carrier suffered a major structural damage while unloading cargo in Peru.



A vessel hit her causing ruptures and major deformations on the port and starboard sides in the way of the stern area below the superstructure of the vessel. We were immediately contacted by the owner's superintendent who immediately got on a plane to visit the vessel and requested us to perform an on-site assessment of damages.



One of our Technical Managers along with a Project Supervisor instantly took a plane to travel from Panama to Peru to assist the



superintendent who was going through the initial pain of investigation by local authorities, surveys, charters, and cargo owner's inquiries as well as the decision-making process of what to do and where to go for repairs.



Owners decided to come to Panama for permanent repairs instead of staying in Peru or going to Chile. Talleres' personnel who



traveled to Peru stayed with the superintendent for 5 days and developed a repair plan to submit to the class and authorities to release the vessel to sail our way.

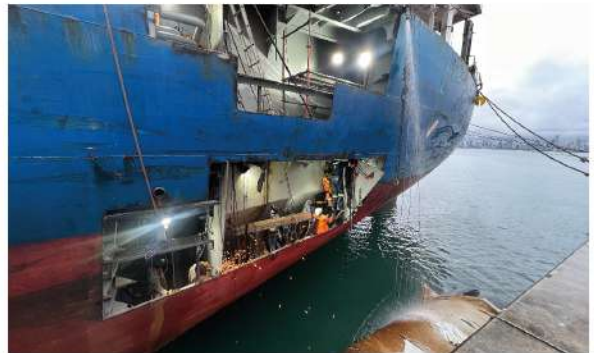


During the voyage, Talleres prefabricated some steel members and procured all necessary equipment, class-approved personnel, and materials to be ready to start



Port

repairs on arrival to avoid as much as possible downtime of the vessel being off-hire.



More than 40 tons of steel as well as accessories were renewed. Shell plates, frames, longitudinal frames, and brackets were renewed.



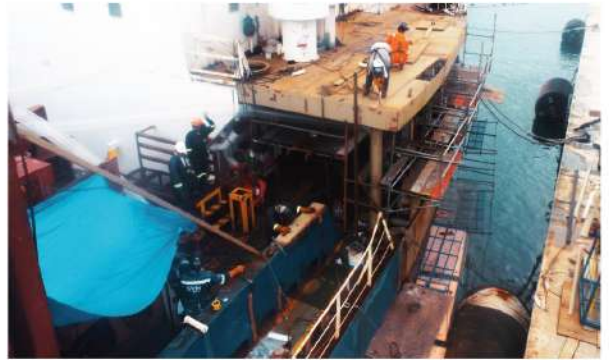
Also, a complete deck on the superstructure which included davits, a winch, ventilation system, and piping were renewed.



At the same time, the gangway was renewed and load-tested onboard. The project was performed on 24/7 with the highest standards of quality and urgency against the most violent enemy for welding – THE RAIN.



All jobs were approved by the class and insurance surveyor.



One of our main foci is to promote our country, our labor, and Talleres as the best option in the continent for your needs.



UNDERWATER CERTIFICATION CLASS A CODE WELDERS

ABS Welder Qualification Report

Customer Name: TALLERES INDUSTRIALES
Customer WPS: 10000
Location: Cuba

Welder Qualification

Welder ID	Type of Under Water	Welding Position	Size Class	Name of Company
WELDER ID: 100000001	Under Water (UW)	6G (Vertical)	1000	TALLERES INDUSTRIALES

Welder Name: JUAN CARLOS...
Welder ID: 100000001
Date of Birth: 1980-01-15
Welder Class: 10000

Statement of Work: Classification Section - Welder Qualification Summary

Approval Summary: Approved for use in accordance with the requirements of the ABS Rules for Classification Section 10000.

DNV WELDER PERFORMANCE QUALIFICATION

Welder Name: JUAN CARLOS...
Welder ID: 100000001

Welding Position: 6G (Vertical)

Welding Process: SMAW (Stick)

Welding Material: A502-2

Welding Electrode: E6010

Welding Parameters: Voltage: 20-25V, Current: 100-120A

Welding Procedure Specification (WPS): 10000

Approval Summary: Approved for use in accordance with the requirements of the DNV Rules for Classification Section 10000.

R Welding Procedure Specification (WPS)

Welder Name: JUAN CARLOS...
Welder ID: 100000001

Welding Position: 6G (Vertical)

Welding Process: SMAW (Stick)

Welding Material: A502-2

Welding Electrode: E6010

Welding Parameters: Voltage: 20-25V, Current: 100-120A

Welding Procedure Specification (WPS): 10000

Approval Summary: Approved for use in accordance with the requirements of the ABS Rules for Classification Section 10000.

RINA WELDER QUALIFICATION CERTIFICATE

Welder Name: JUAN CARLOS...
Welder ID: 100000001

Welding Position: 6G (Vertical)

Welding Process: SMAW (Stick)

Welding Material: A502-2

Welding Electrode: E6010

Welding Parameters: Voltage: 20-25V, Current: 100-120A

Welding Procedure Specification (WPS): 10000

Approval Summary: Approved for use in accordance with the requirements of the RINA Rules for Classification Section 10000.

ABS MARINE & OFFSHORE DIVISION

Welder Name: JUAN CARLOS...
Welder ID: 100000001

Welding Position: 6G (Vertical)

Welding Process: SMAW (Stick)

Welding Material: A502-2

Welding Electrode: E6010

Welding Parameters: Voltage: 20-25V, Current: 100-120A

Welding Procedure Specification (WPS): 10000

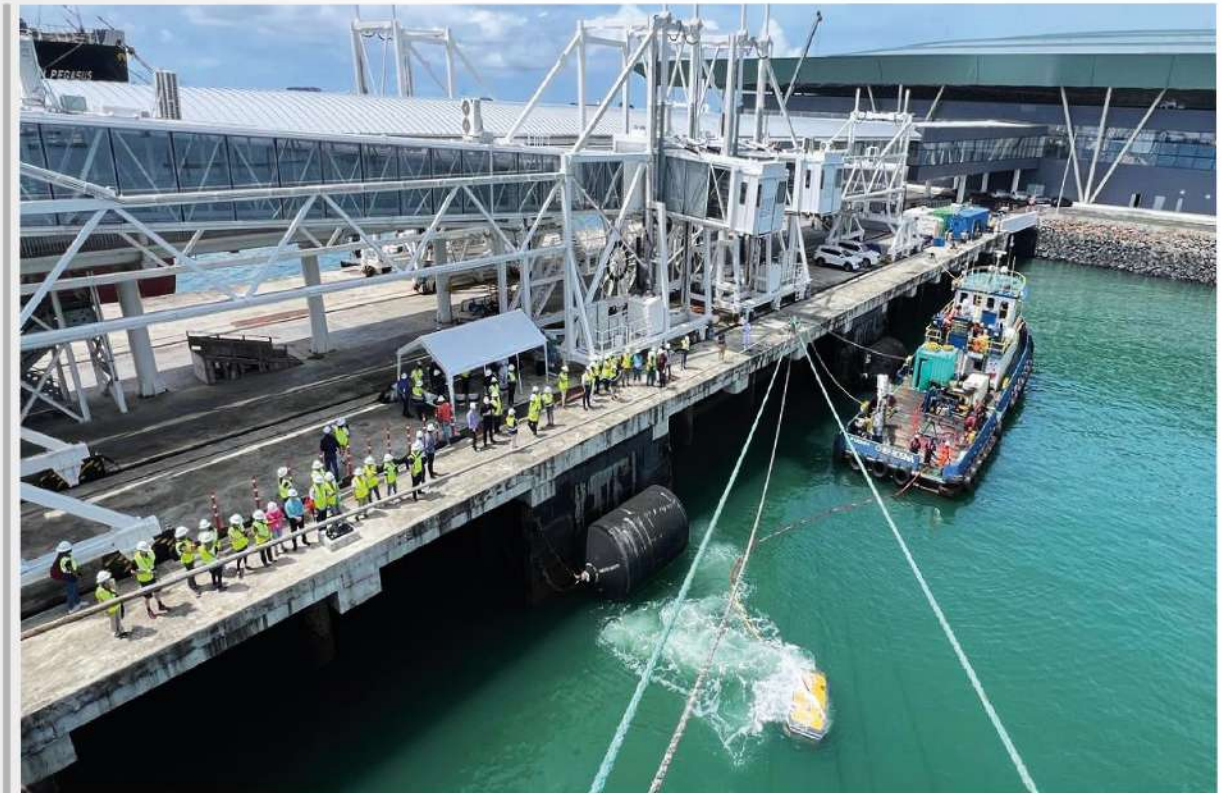
Approval Summary: Approved for use in accordance with the requirements of the ABS Rules for Classification Section 10000.



We are proud to receive these approvals and become one of the very few companies worldwide to certify grade A code wet welding. The journey has just started for Talleres.

"More to Come."

EDUCATING WORLDWIDE STAKEHOLDERS ON MARINE FOULING PROCEDURES AND GUIDELINES



It was an honor for Talleres Industriales SA and HullWiper to join approximately 100 participants in a “Test Biofouling Project Regional Demonstration” workshop recently



held in Panama, targeting the Latin American and Caribbean regions. It brought together industry experts to discuss strategies for preventing the spread of invasive aquatic species (IAS) and promoting gender equality

equality in biofouling management. The agenda featured training in biofouling risk assessment and inspection techniques.



One of the highlights was the in-water cleaning technology demonstration at the



Port of Balboa, using the HullWiper ROV, conducted by our HW partners in Panama, Talleres Industriales, which showcased deployment, attachment to vessels, and the



use of high-pressure seawater jets to remove hull fouling. This allowed participants to



engage with our specialists and learn about the technology's functionalities, operational efficiency, and environmental impact.



It's out of this world

Optimise your vessel's performance with HullWiper's advanced Remotely Operated Vehicle (ROV) technology, designed to remove biofouling from hulls at warp speed.

Our system safeguards anti-fouling coatings and boosts ship efficiency, resulting in up to 20% lower fuel consumption.

Explore new horizons of precision at talleresindustriales.com | hullwiper.co





ARABE UNIDO SPORTS CLUB, PRACTICING WITH ETHICS AND VALUES



We are proud to be once again the official sponsor of Arabe Unido Football Club, who are from the city in which the headquarters of Talleres Industriales is located, Colon. This year we have started the tournament with 2 impressive wins, and we can foresee that the title will come our way.

There is only one reason why success will follow the club through the season and that is their beliefs and values, which are aligned with Talleres Industriales' culture.



Arabe Unido has chosen its values to be part of their beliefs and soul. Responsibility, Compromise, Empathy, Discipline, Respect, Humility, Love, and Fraternity are the core values of the club. There is no way to fail if those values are truly enforced. Talleres Industriales family is proud to be part of the Arabe Unido adventure and we wish them the very best during this season.



BOW THRUSTER REPAIRS



TALLERES engineers and mechanics performed along with the maker's service engineer a major overhaul of a KAWASAKI KT-130B3 bow thruster on a 210 m x 32 x 9 m container vessel at layby berth on the Pacific side of the Panama Canal.



The repair was carried out afloat by trimming the vessel from the bow to get the thruster tunnel out of the water about 1mtr to allow dry repairs.

After the vessel had reached the desired conditions, Talleres' floating workshop and deck crane barge were moved alongside in way of the thruster tunnel to lift and remove the 8-ton thruster out.



Talleres furnished skilled engineers, mechanics, and welders as well as all the necessary equipment, tools, and gears to perform the assigned jobs. We started by removing the thruster grating to allow removal from the tunnel for subsequent repairs. Propeller blades were removed from thruster to allow safe removal operation.



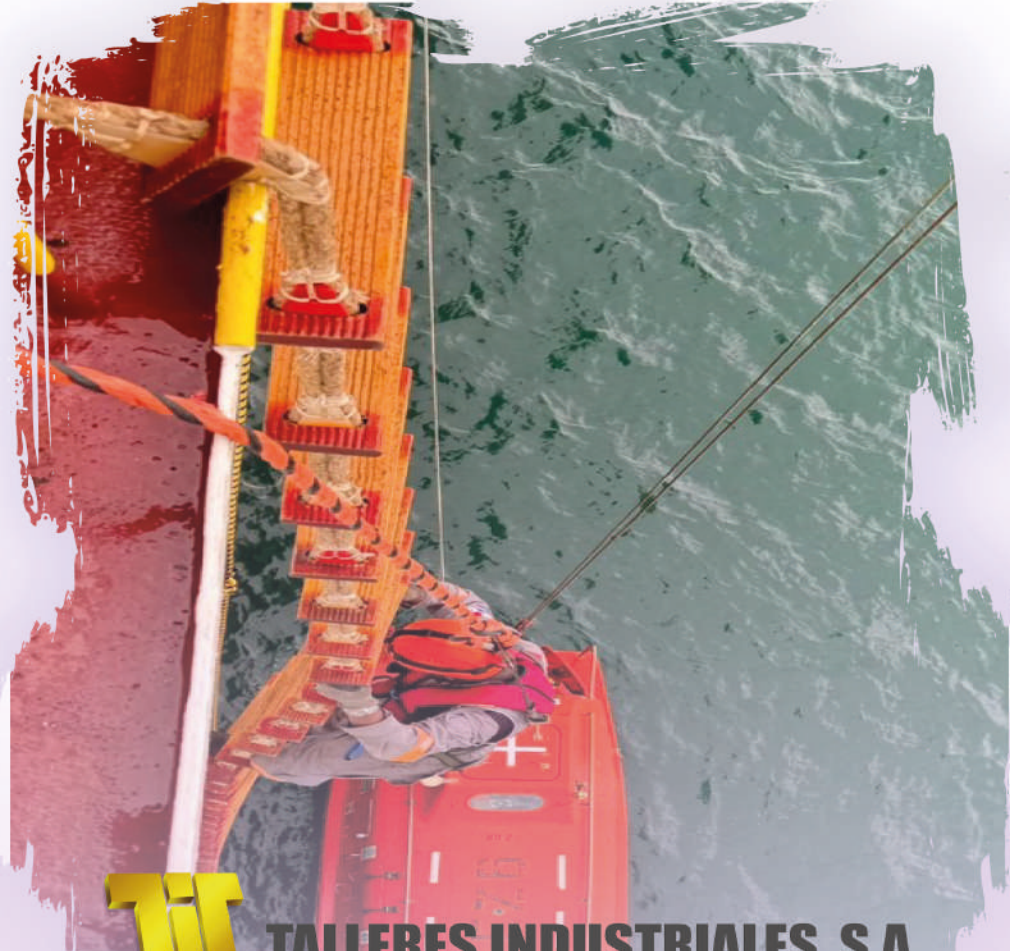
Our certified welders installed pad eyes to help our riggers lifting the thruster. Also, a beam was welded on the tunnel and used to remove the shaft. Thruster was taken to the workshop and dismantled to perform a detailed inspection, reconditioning, and replacement of needed parts.



After jobs were completed at the workshop, it was brought and installed on the vessel, propeller blades connected, all systems tested, thruster grid installed, and in a very efficient manner, vessel was ready to depart.



Always ready to assist you!



TALLERES INDUSTRIALES, S.A.

24/7 SHIP REPAIRS AND MARINE SOLUTIONS

www.talleresindustriales.com

*55 years serving the global
maritime industry!*



ALUMINIUM GANGWAY REPAIRS



Talleres Industriales has been certified and holds the needed expertise to carry out repairs on gangways and accommodation ladders. We have class-approved certifications and procedures to perform aluminum structural welding repairs as well as the replacement of damaged profiles.



We have a large stock of aluminum gangway profiles that allow us to always be ready to perform successful repairs to damaged gangways. We are also equipped to perform turn-key solutions by having a crane barge to remove and install gangways at anchorage, shore cranes to remove at the pier, machinist department to adjust and repair any section needed. Finally, we certified the gangways by performing load tests in compliance with applicable regulations and class requirements.



SINCE 2004 EXPORTING PANAMANIAN LABOR AROUND THE AMERICAS



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