



JANUARY / 2022

# TALLERES INDUSTRIALES, S.A.

24/7 SHIP REPAIRS AND MARINE SOLUTIONS

MAGAZINE 16th Edition



## MAIN FEATURES

### RENEWAL OF SHELL PLATING AND INTERNAL STRUCTURES

Major Structural Repairs at  
Cristobal Inner Anchorage  
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### TALLERES KEEPS INVESTING POWER PACK RENTALS

Two New 1250 KVA generators  
to power up reefer containers  
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### TALLERES ASSISTING VESSELS TO REDUCE CO2 EMISSIONS

Installation of Propeller  
Boss Cap Fin at Balboa  
Anchorage  
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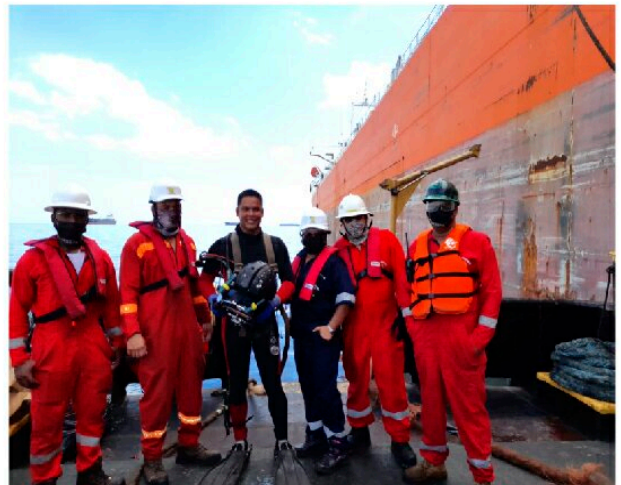
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talleresindustriales -shiprepairs

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## “DEVOTED AND ONE-OF-A-KIND LABOR FORCE”



Talleres Labor Force is quite unique. Our people are fully in love with the ship repair industry and possess those attributes that really make the difference - organized, dedicated, responsible, and with ethical values.

Talleres people have demonstrated that with sacrifice and perseverance all major challenges can be overcome. Our labor force can adapt quickly to the environment and pressure of our daily tasks and most importantly we understand that we need to get out from our comfort zone to comply with the expectations of our clients.

Thanks for all your trust and support during 2021, we will be ready for the new challenges arriving this new year.

## “A NEW BEGINNING 2022”



It has been two years since the Pandemic started and we are still adapting to this new environment and way of living. During the last two years we have been forced to speed up the changes and extract the positive out of the negative and take all opportunities during this historic period in our lives.

TALLERES' emergency room for ships in 2022 will keep growing and investing with solid commitment, sacrifice, and principles. Last year, we did some amazing jobs, from major structural, underwater and fire room repairs to ship-to-ship transfer operation and major pollution clean ups. Once again, we have proven to ourselves and the world that Panama is the key location of the Americas to perform repairs and services.

2022 will be a year of heavy investment in new floating equipment and more state-of-the-art equipment for all our divisions. We are looking for new technologies and robotics to automatize most of our process. Thanks once again to all of TALLERES' team for their professionalism, effort, and sacrifice looking forward for another fun and challenging year.

## MAJOR STRUCTURAL REPAIRS AT CRISTOBAL INNER ANCHORAGE

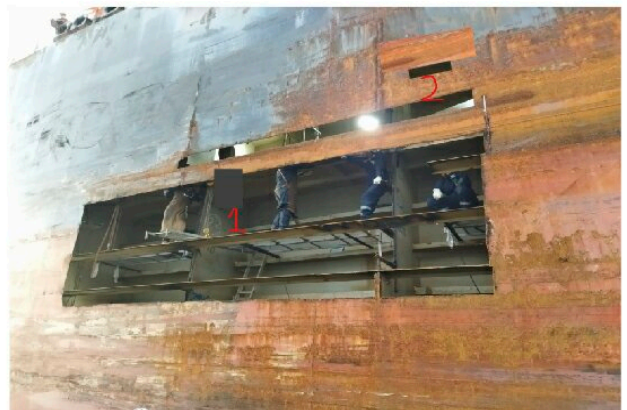


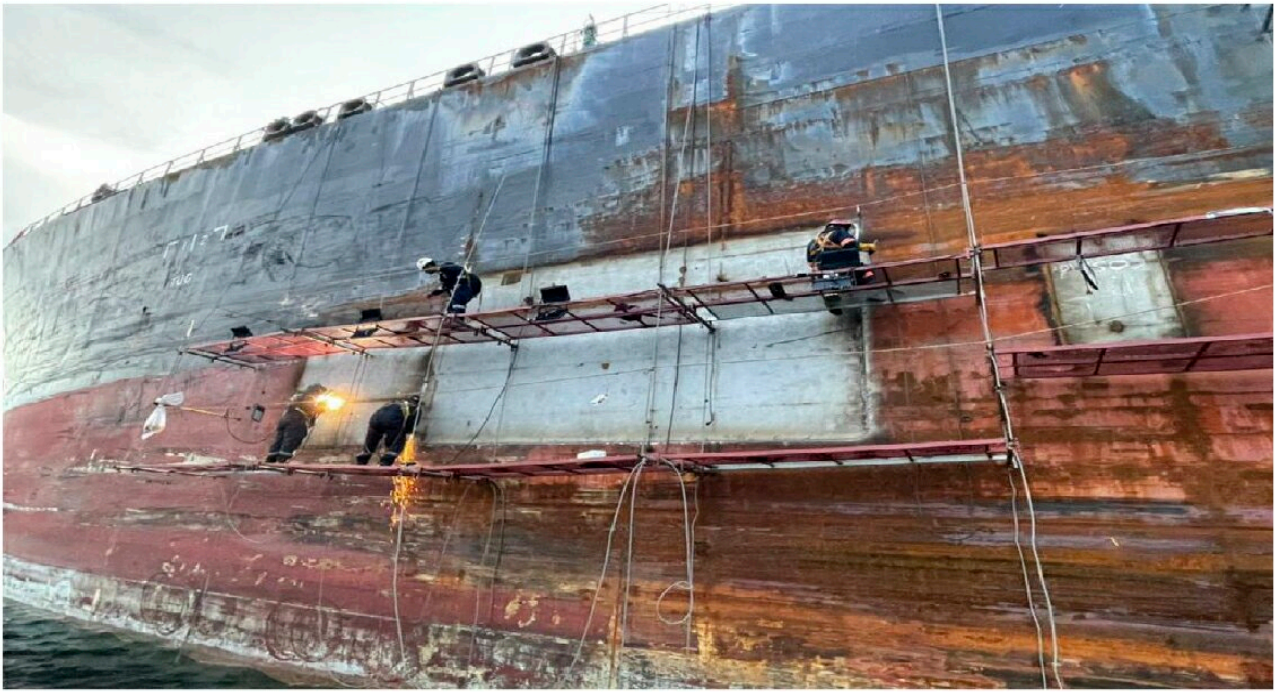
Last October, a Panamax Oil Product Tanker suffered a major damage on her port side shell plate and internal structure in way of the water ballast tank No. 2 and void space at the Pacific entrance of the Panama Canal.

We were contacted almost immediately by agents and ship managers in Asia to mobilize and inspect the damage along with class. We were asked to come up with a repair plan to perform urgent permanent repairs upon completion of transit at Cristobal inner anchorage.

Our Naval architects and steel foremen mobilized to the vessel to identify damages on steel structure and take all measurements of area to be renewed.

Talleres repair plan was approved by managers and class surveyor that same date. Immediately, Naval architects sent all specifications and drawings to our welding workshop in Colon to start procuring equipment and prefabricating some steel plates.





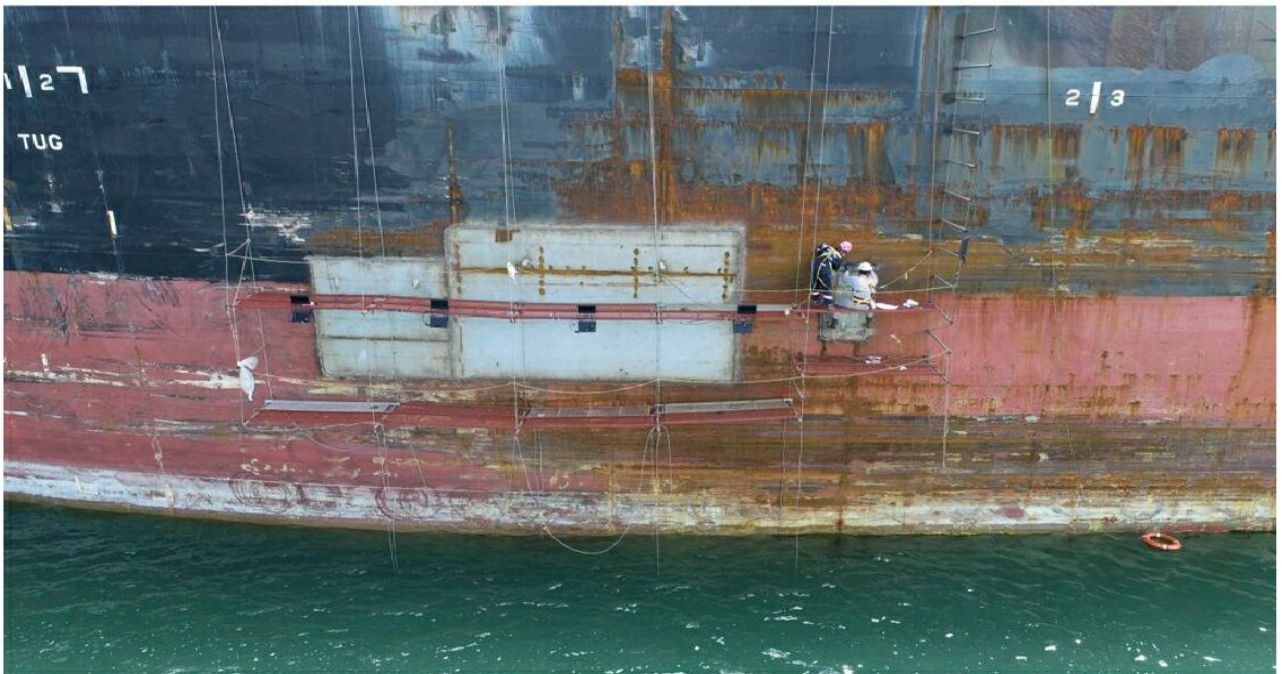
Once vessel completed her transit and arrived Cristobal, we deployed all resources. The vessel could not be delayed, and the side shell plate renewal job had to be completed with the highest priority due to very strong commercial pressure and commitments with charters. Generators, Ventilation, Lighting, Scaffolding, Cutting and Welding heavy equipment were mobilized to the anchorage to renew 5.5 tons of steel during rainy season, and at the same time dealing with a new outbreak of covid cases on top of social strikes in the area.





Once onboard, hanging staging was built around the damaged sections, which were then prepared and cut. At the same time all new marine plates which were fabricated at the workshop were fitted and welded by our class approved personnel.

The outcome was perfect, making the external and internal production welding process easy. All welds were ultrasonically tested to satisfaction of the class surveyor and attending superintendent.



For this magnificent repair, the final touch-up was very important – mechanical cleaning, grinding, and painting of all surfaces under the original specs. The repairs were completed to the full satisfaction of class surveyors, owners, and insurance representatives. We at Talleres, are eager and always ready for difficult and challenging jobs. No matter the season, no matter the complexity, no matter the location.



# WHO IS WHO IN OUR TEAM



**Andres Aguilar**  
 Electrical Supervisor, NDT, UTM Level 2 Technician  
 Expertise; Marine Electrical Repairs, Quality control, NDT,  
 UTM Technician



**Rigoberto Quintero**  
 NDT, UTM Level 2 Technician  
 Expertise; Quality control, NDT, UTM Technician



**Dayribeth Quintero**  
 Naval Engineer, NDT, UTM Level 1 Technician  
 Expertise; Welding, Mechanical, NDT, UTM Technician



**Brandon Aguilar**  
 Disinfection Division  
 Expertise; Nebulization and Ozone Disinfection Process,  
 Electrical Jobs

## ADDING TWO BRAND NEW 1250 KVA GENERATORS TO OUR FLEET TO POWER UP REEFER CONTAINERS

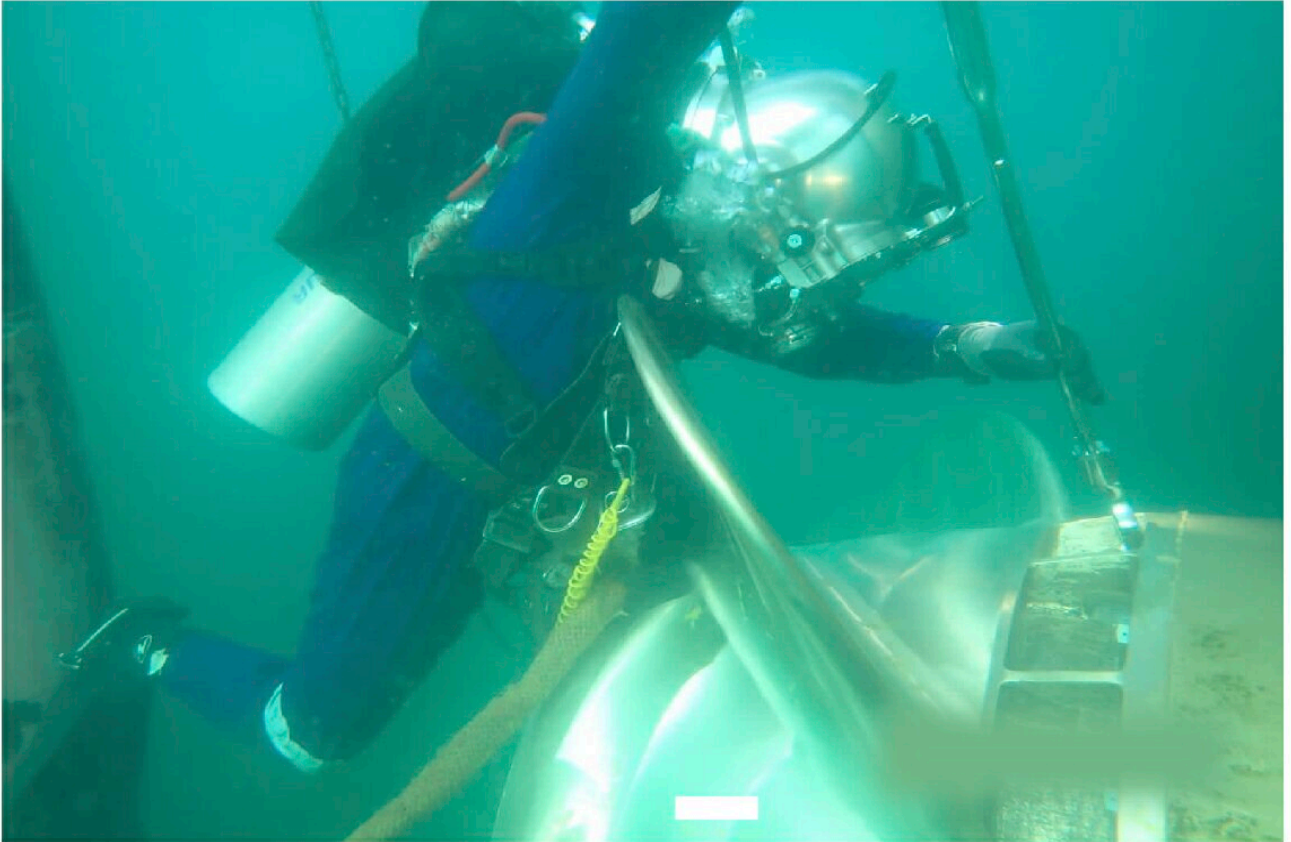


Talleres has started this 2022 with a major investment program on our Power Pack Rental Division. We have ordered two diesel 1250 KVA power packs powered by a Cummins KTA 38 diesel engine capable of powering up more than 80 reefer containers. These power packs will also be available to power vessels by connecting in parallel operations with vessels generator in case needed. We have also purchased two new ISO tank-tainers with all certifications that will join our fleet. Our Power Pack Division will keep giving solutions to vessels in need in the Panama Canal area and Latin America.

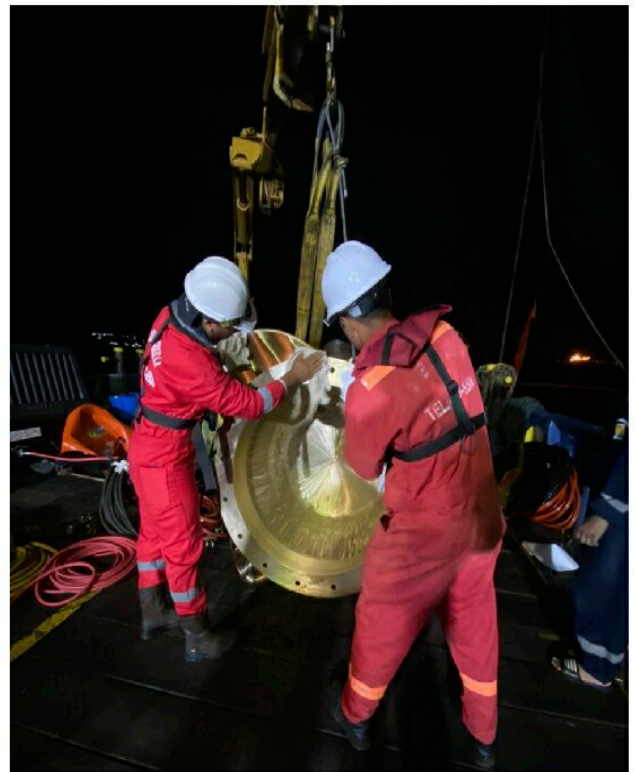




# INSTALLATION OF PROPELLER BOSS CAP FIN AT BALBOA ANCHORAGE



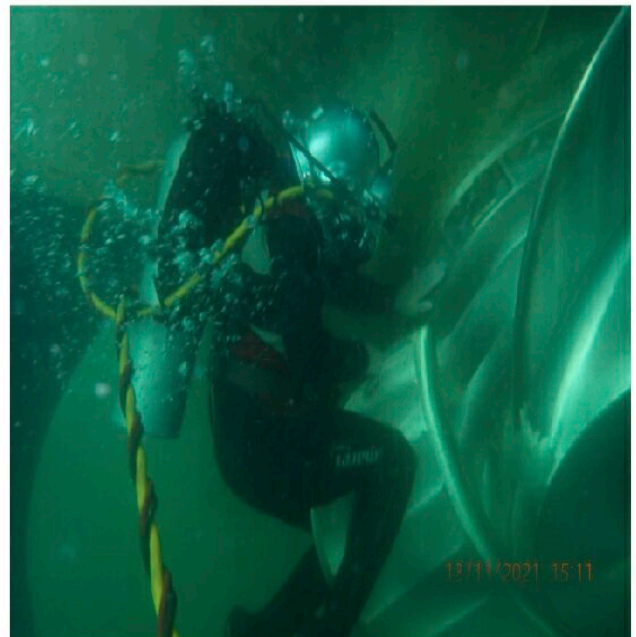
The PBCF is an energy-saving device attached to the propeller of a vessel.



Installation can be done in dry dock and underwater. Talleres is capable to do it in both environments.

It breaks up the hub vortex generated behind the rotating propeller, resulting in a 3-5% reduction in fuel consumption and a corresponding reduction in CO2 emissions.

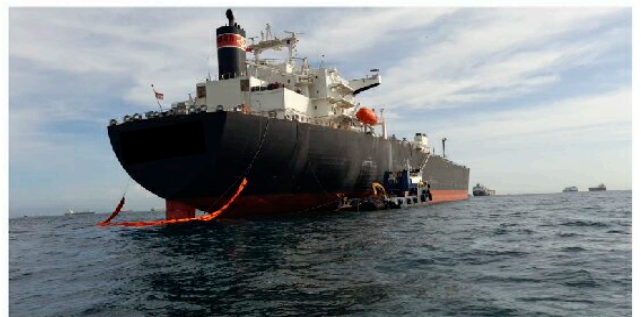
Backed by concerns over rising fuel prices and growing awareness of the need to reduce CO2 emissions, it has gained worldwide recognition and the owners and operators who believed in PBCF's high-quality, and performance have repeatedly ordered.





In this occasion, Talleres divers were assigned the task at Balboa anchorage and performed the job in record time.

Job consisted in the removal of the old propeller boss caps, and new PBCF was fitted, new bolts were tightened, and void space was filled with environmentally friendly grease according to the correct procedure.



Panama is the perfect place to perform these types of repairs and maintenance services. We shall be ready to assist YOU 24/7, 365.

# WELCOME 2022 SHIP TO SHIP TRANSFER DIVISION



We have three STS approved support boats fully equipped and audited to support the operations. At either side of the Panama Canal.



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