

Need of a rudder expert?



We specialize in repairs of rudder arrangements and can offer you a complete repair solution with final fitting and re-installation onsite.



MarineShaft®

marineshaft.com

Stormy weather puts MSC Ines out of operation for a long time

When a terrible storm hit Durban in October 2017 it caused severe damage to the port surroundings and grounded three vessels, among others the fully-loaded 350-metre long container vessel MSC Ines.

The heavy winds blew containers into the bay and MSC Ines was pushed sideways blocking the harbour entrance. Fortunately, all three vessels were refloated and the extent of the damage could be assessed. The hard grounding and impact had lifted the entire steering gear deck and the rudder stock was stuck in the rudder.

MarineShaft's participated in the huge ongoing repair operation and was hired to assist with the rudder repair onsite as well as receiving an order to manufacture a new rudder stock.

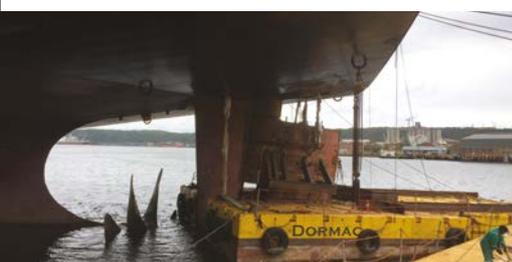
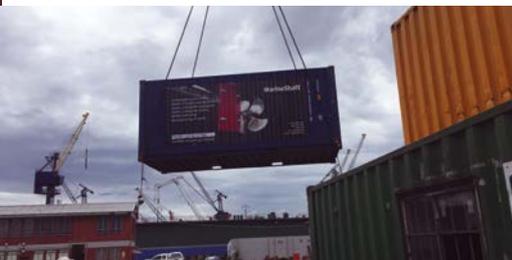
While afloat, the rudder was removed and the rudder stock had to be cut off along with the entire rudder horn section. We have had a supervisor at the location 24/7 since the disassembling of the rudder and rudder stock began.

A team of our service engineers went onsite to remove the rudder stock. To be able to carry out this job the upper casting of the rudder had to be removed and the rudder stock was bored out using our mobile machining equipment.

In our workshop in Denmark the manufacturing of a new rudder stock began. MarineShaft is a world leader in class-approved cold straightening of propeller shafts and rudder stocks up to 1.5 metres in diameter and we also specialise in new manufacturing.

The dimensions of the rudder stock for MSC Ines are Ø850 x 7254 mm and it was manufactured with 2 pcs. shrunk on 316L stainless steel liners Ø900/840 x 675 mm, weighing more than 30 tons.

The tiller was unrepairable and a new tiller from Hyundai was ordered and sent to our workshop. We manufactured a new tiller lock nut in S355J2G3 DNVGL 3.2 material as well as a new hydraulic nut for the rudder stock lower end.





Everything was carried out in our workshop in Denmark according to the scheduled plan and all parts were returned by ship at the end of January.

Our containerised workshop was also sent to the location and our team of engineers, which is on location in Durban now, has been busy welding up the rudder cones, carrying out heat treatment of welded areas and machining of the rudder cones. It has been a very labour-intensive job the work will continue for another one to two months before final fitting and reinstallation of the rudder stock will be carried out.

Whether the job calls for conversion, newbuild or comprehensive repairs, like in this job for MSC Ines, it requires a huge amount of planning, co-ordination and reliable subcontractors. We are thankful to be a part of this repair.

This is not the first time MarineShaft has carried out comprehensive repair work for Mediterranean Shipping Company. In winter 2016, another vessel, MSC Loretta, had an unfortunate grounding and we were signed in as subcontractor for the rudder repair. Everybody worked hard as a team to

complete the job as quickly as possible.

I would like to thank Captain Antonino De Maio from Mediterranean Shipping Company for taking the time to express his satisfaction with MarineShaft 's personnel after our completion of the rudder repair for MSC Loretta.

His letter among others said 'your personnel being in workshop in Hirtshals and in situ have shown great experience and utmost of patience and have spared no effort to complete all work in time. Lots of job was done in difficult winter conditions on a 24 hrs working basic. Your personnel never expressed feeling to be tired or requesting any help from our side.'

From a marketing perspective, this is the best publicity a company can get but it is also the best motivation the personnel can get - even a tough male service engineer!

I look forward to seeing photos of MSC Ines going out to sea again and send the best of luck to all workers at the shipyard including our own team in Durban, who will continue to complete the great work that has already been carried out in our workshop in Denmark.

Hanne Magnussen, Marketing manager, MarineShaft A/S



**Your need, We care, choose HONG FA
you will find everything is easy**

Hong Fa Marine Service Co., Limited is a ship service company which is mainly engaged in ships provisions/ bonded/ deck/engine stores /Nautical charts & Publications supplying and also provide marine spare parts logistics & onboard deliveries in chinese major port.

Now we are the memberships of ISSA and China Friendship External Supplier Association of Commerce. We are looking forward to become your trusted partner in China.



CONTACT DETAILS

HONG FA MARINE SERVICE CO., LIMITED | PIC : Mr.Karl Liu Bin
TEL : +86 138 2066 6766 | EMAIL : supply@hongfamarine.com

