

Inspection report (final)

Boat data

Type	Motorboat/Motoryacht
Name	Pixie (demo)
Model	Riga Arostin
Year of construction	1970
Boat type	Sport boat
Shipyard	Riga Ltd.
WIN	IT-R-58573
Hull no.	563
Engine	Mercury XF50
Engine power	50 hp
Engine hours	278 h
Fuel	Super 95
Fuel tank	1x 60 L
Fresh water tank	none
Grey water tank	none
Black water tank	none
Generator	none
Flag	IT
Length over all	5,60 m
Beam	2,58 m

Additional information

Order number: 2024-07/5

Boat image



Course of events leading to the damage.

On September 20, 2016, at around 3:00 PM, a fire occurred on the policyholder's motorboat. At that time, the vessel was located in Marina Fraticelli in Fraticelli on Lake Garda, Italy. Due to the rainy weather in recent days, the boat's cover was closed. The policyholder was on board when the accident happened. According to the policyholder, he was organizing things inside the ship when he noticed the fire. In panic, he tried to exit the burning cockpit and opened the cover. Immediately after leaving the cockpit, he used the water hose at the dock to extinguish the flames. Additionally, someone assisted him with a fire extinguisher. Until the ambulance arrived, the policyholder sprayed himself with water, as he suffered severe burns in this accident.

After this accident, the boat was lifted out of the water in the marina and placed on the trailer in the shipyard area.

Assessment and identified damages

The inspection took place on September 25, 2016, at Marina Fraticelli. The boat was parked on its trailer in front of a shipyard hall, covered with its tarpaulin. After removing the tarpaulin and emptying the cockpit, the extent of the damage could be assessed. The fire mainly affected the steering area, and the following damages were observed during the inspection:

- A) The front windshield deformed due to the intense heat.
- B) The interior lining on the port side is severely burnt.
- C) The dashboard with indicators is damaged.
- D) The steering wheel, throttle lever, and gear lever are scorched or melted.
- E) The floorboards show severe fire traces.
- F) The speaker on the port side is burnt.
- G) The two seat boxes have fire damage.
- H) The seat cushions melted and burnt.
- I) The padded cockpit border on the port side is damaged.
- J) The deck at the steering position has fire marks.
- K) The deck in front of the windshield has fire marks.
- L) The compass is broken.
- M) The radio is defective.
- N) The cover is heavily damaged.
- O) The cover bars show fire marks.
- P) The tarpaulin has burn holes.
- Q) The sun awning is burnt.
- R) The flagpole and the national flag are burnt.
- S) The lifebuoy is singed.

Assessment of the damage pattern

The identified damages are to be attributed to the described incident based on the damage report and existing documentation.

Necessary repair measures

To perform the necessary repair measures, the boat needs to be cleaned thoroughly to remove all traces of the fire using plenty of soapy water and fresh water. Afterward, all deck fittings, including the front windshield, must be disassembled, and any loose parts should be removed from the boat. The burnt dashboard and side paneling need to be removed. Then, the deck can be stripped and sanded. If necessary, deeper burn holes should be filled. The deck should then be recoated with 10 layers of paint. The burnt dashboard needs to be rebuilt and glued. After painting and installing the new component, all indicators and switches can be reinstalled and wired. The side paneling with the swallows' nests must be rebuilt and painted. New floorboards should be fitted and painted. The two seat boxes need to be rebuilt, painted, and reupholstered. The padded cockpit border and remaining seat cushions need to be renewed, including the upholstery for the cover frame. After completing the woodwork and painting, all fittings and the front windshield can be reinstalled. The sections of the tarpaulin showing fire damage should be replaced by the tarpaulin maker.

Cost indication

ID	Location	Description	Amount
Individual costs per observation			
General costs			
		Prepare the boat, remove all loose parts, and store them. Clean the boat.	600 €
		Remove the dashboard, disassemble instruments, build a mold and glue the component, mill holes for the instruments, fitting of the entire component, painting, installation of the component, new instruments, and wiring (55 hours).	2750 €
		Disassemble deck fittings, front windshield, etc., strip and sand the deck, fill and smooth out burn holes, apply 10 layers of paint (48 hours).	2400 €
		Fit floorboards, paint (20 hours).	1000 €
		Fixed price for new upholstery for the two individual seats, the rear bench, cockpit border, cover frame, including labor and materials.	5070 €
		Lifebuoy	50 €
		Compass	180 €
		TOTAL	12050 €

Repair costs

The repair costs for the motorboat are calculated as described under costs. Boat construction work is estimated at an hourly rate of €50 per hour.

Note

In this case, a definite cause of the fire cannot be determined. However, based on the available facts, an explosion can be ruled out.

This report has been created to the best of our knowledge, without prejudice to the insurers' liability.

Bad Seehausen, 7.07.2024


Gregory Franco
for.Inspectors (DEMO)