

DON'T CURE PREVENT

ISSUE 21 JANUARY 2024

**FIRE
HOSE
DEFICIENCIES**



FIRE HOSE DEFICIENCIES



CASE

While the PAS Assessor was conducting a preparation for Port State Control (PSC) inspection, two seafarers were assigned to check the fire line, nozzle and hoses for leaks. During the test, one end of the fire hose was found disconnected. The test stopped and after investigation, it was evidenced that the subject hose was of different type from the one indicated in the Fire Plan. It was also observed that the binding wire was not wrapped properly, resulting in seawater retention between the fabric outer sleeve under the rubber sleeve.



REGULATORY FRAMEWORK

AS PER MSC.1/CIRC.1432 PARAGRAPH 7 – ANNUAL TESTING AND INSPECTIONS.

AS PER MSC.1/CIRC.1432 PARAGRAPH 7.1.4

“...pressure test a sample of fire hoses at the maximum fire main pressure, so that all fire hoses are tested within five years”.



WHAT WENT WRONG?

-  Electrolytic corrosion caused failure of the fitting.
-  Ineffective hose binding resulted in rubber sleeve corrosion.
-  Inadequate inspection of the fire equipment.
-  More couplings were also found with same level of corrosion, as the failed fitting.



OUR SUGGESTION

We suggest the following actions with the aim to prevent such cases from occurring:

- ⦿ Check the existing fire hose couplings for signs of corrosion, seized floating flanges and any other malfunctions that may not allow the hose to rotate freely.
- ⦿ Ensure that a component of same type shall be used, when the fire hose or a coupling requires replacement.
- ⦿ Select brass fittings, since they are stronger, seawater and crack resistant, in comparison with the aluminum fittings, which are lightweight, but more fragile.
- ⦿ Do not ignore signs of pitting or corrosion.



BEST PRACTICE

- ✓ Carry out thorough inspection of the fire hose and its coupling.
- ✓ Ensure that there are no signs of corrosion or pitting.
- ✓ Pay special attention during the inspection and maintenance of the fire equipment.
- ✓ Report any malfunctions observed for the necessary actions to be taken.
- ✓ Highlight the importance of situational awareness, critical thinking and good seamanship.
- ✓ Run a campaign to cover the above matters.

 **PREVENTION AT SEA**

DON'T CURE PREVENT

ISSUE 21 **JANUARY 2024**

FOR MORE INFORMATION,
PLEASE DO NOT HESITATE TO CONTACT US.



Prevention at Sea Ltd

5 Artemidos Avenue, 6th Floor,
Artemidos Tower, 6020
Larnaca - Cyprus

Tel: +357 24819800

Fax: +357 24819881



PREVESEA Ltd

91 Akti Miaouli Str., 3rd Floor
Piraeus 18538
Athens - Greece

Tel: +30 210 64 37 637



sales@preventionatsea.com



www.preventionatsea.com