

DON'T CURE PREVENT

ISSUE 23 JULY 2024



FAILURE OF SCRUBBER OVERBOARD PIPE

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CASE

Severe leakages inside the engine room from the overboard scrubber pipe were observed during vessel's sea passage.

PAS was invited to conduct an incident investigation, where it was evidenced that the specifications of the inner coating of the pipe were not in accordance with industry standards. A thickness measurement, as part of the maintenance program, had not been conducted and the coating was found not resistant to chemicals.



REGULATORY FRAMEWORK

- MEPC.259(68) – (ADOPTED ON 15 MAY 2015) – 2015 GUIDELINES FOR EXHAUST GAS CLEANING SYSTEMS.
- MEPC.340(77) – (ADOPTED ON 26 NOVEMBER 2021) – 2021 GUIDELINES FOR EXHAUST GAS CLEANING SYSTEMS.
- DNV GL CLASS RULES, PART 7, CHAPTER 1, SECTION 2 3.1.9.
- ABS STEEL VESSELS RULES AS SPECIFIED UNDER 4-6-4/3.3.5(A).



WHAT WENT WRONG?

- ✗ Inspection and maintenance of the overboard pipeline was not conducted, as necessary.
- ✗ The inner coating was not resistant to chemicals, and this caused severe corrosion.



OUR SUGGESTION

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

- 🕒 On an annual basis, a qualified contractor must perform a thickness measurement to the overboard pipeline and joints or a diver inspection, depending on the design.
- 🕒 The inner coating of the overboard pipe must be certified as chemical resistant.
- 🕒 Always follow industry's standards and manufacturer's recommendations for the inspection and maintenance of such equipment.



BEST PRACTICE

- ✅ Conduct maintenance according to manufacturer's instructions.
- ✅ Perform tests and checks on regular basis, according to industry's standards.
- ✅ Run a campaign to raise awareness on the above matters.

 **PREVENTION AT SEA**

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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