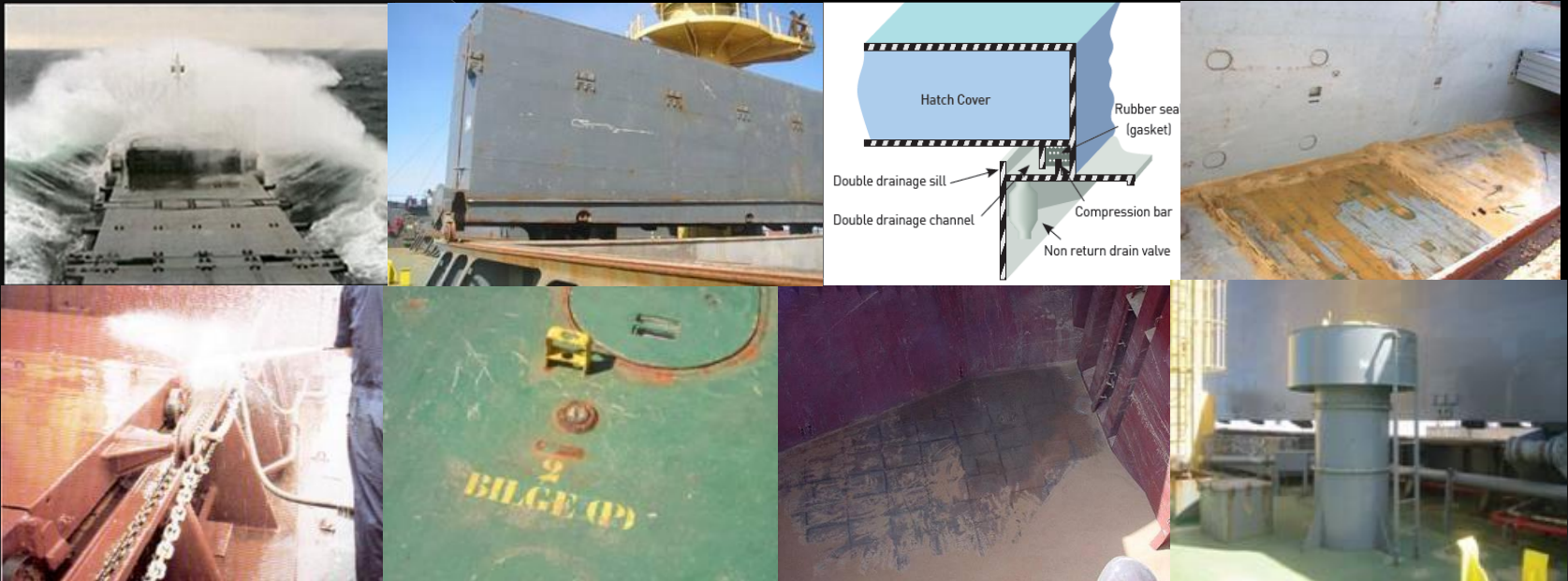




CAUSES OF WATER DAMAGE IN MARITIME TRANSPORTATION



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LEARNING STRATEGY

- 1) The course is divided into sections and sections into different classes. You have a period of 90 days to complete this course.
- 2) Follow the established order of sections and classes.
- 3) Open the class you are going to study. Read carefully and analyze each one of the slides.
- 4) Do not advance to the next slide until you have understood and have clear the information in the slide.
- 5) In some sections you will find a short test or Quiz to evaluate the learning process. You can take the Quiz various times.

COURSE OBJECTIVES

- **Know the origin of water damages during marine transportation**
- **Distinguish the type of damage**
- **Know the Beaufort and Douglas scales**
- **Know and be able to identify the parts and components of a hatch cover**
- **Identify the deficiencies in water tightness occurring in hatch covers**

- **Know the tests conducted to determine water tightness of hatch covers.**
- **Be able to identify the origin of water damages caused by the ingress of seawater through ventilation systems, access hatches, sounding tubes, bilges, pipes and lateral tanks.**
- **Be able to differentiate the damage by fresh water: rain and condensation from that by seawater.**
- **Know the chemical test for detection of chlorides to identify seawater.**