

Agenda

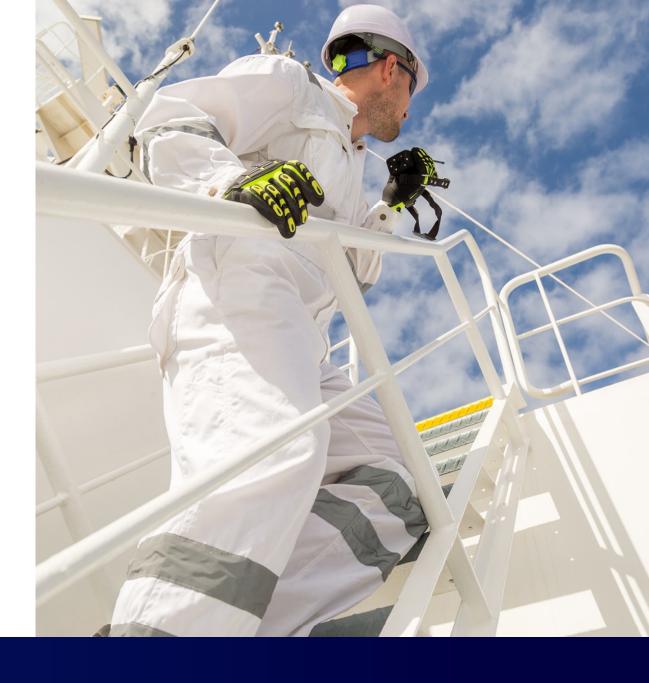
Club's claims & survey finding statistics

Leak detection tests

Hatch cover maintenance issues

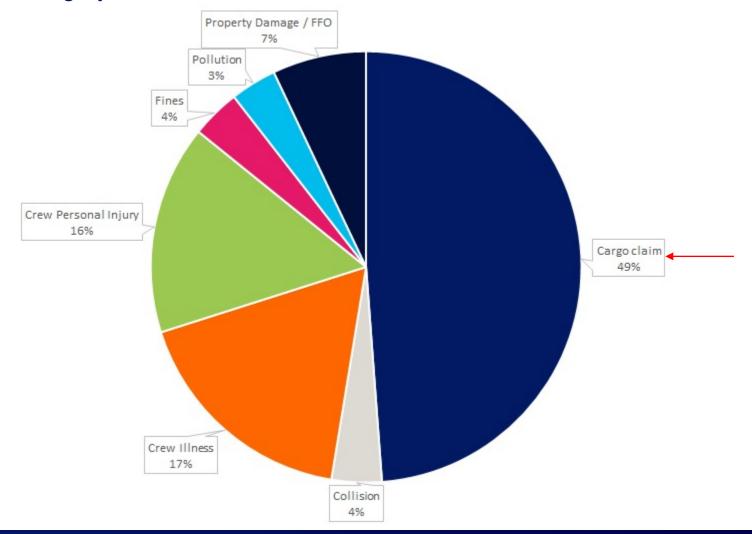
Conclusion

Club's claims & survey finding stats



Club's claims statistics – by number (PY 2010 – 2020)

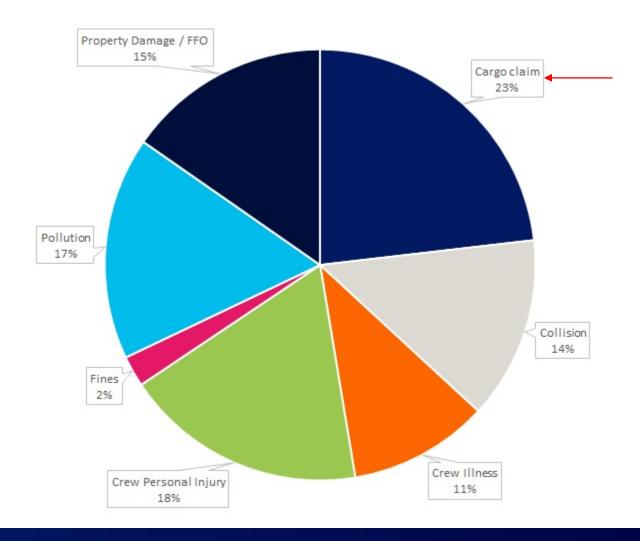
Claims Count by Rule Category



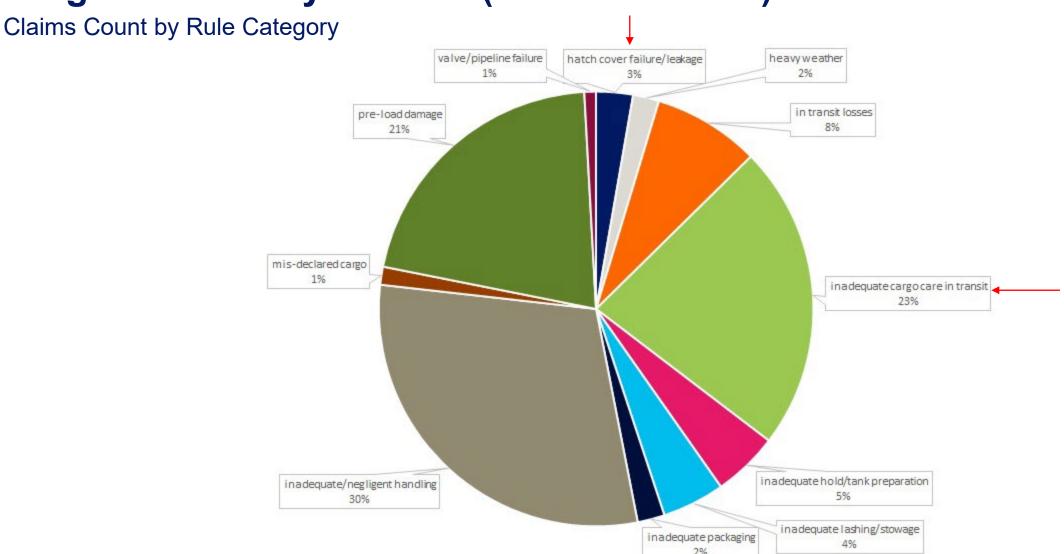


Club's claims statistics – by value (PY 2010 – 2020)

Gross Claim Incurred USD by Rule Category

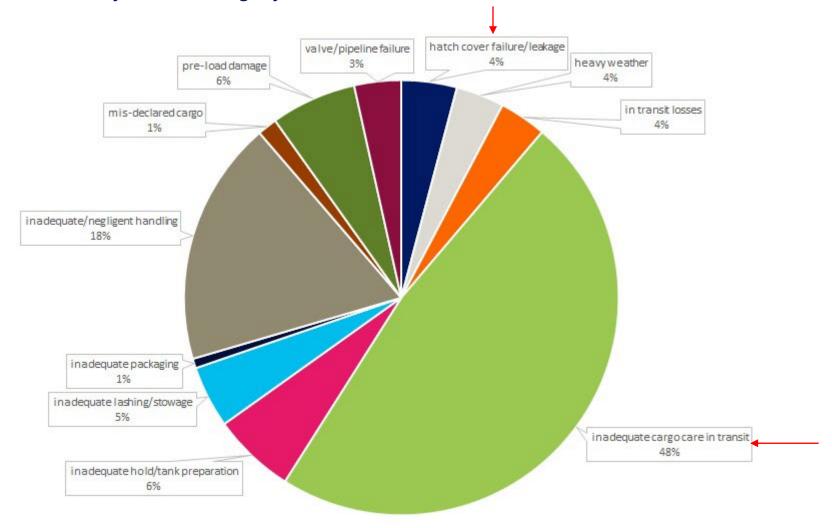


Cargo claims – by number (PY 2010 – 2020)



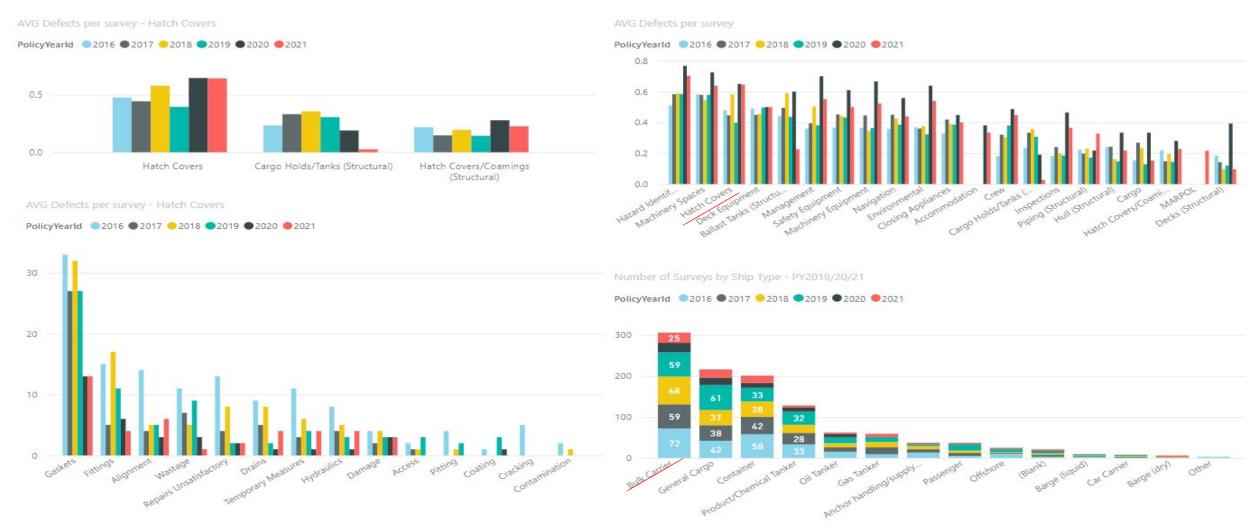
Cargo claims – by value (PY 2010 – 2020)

Gross Claim Incurred USD by Rule Category



LP Condition Surveys (PY 2016-2021)

Hatch Cover Defects





Leak detection tests





Leak detection tests

Do they all check weathertightness?







Water hose test



Chalk test



Light test



Visual check

Hatch cover maintenance issues





Rubber packing

Surface damage

- Cut, chafed, damaged... should be replaced immediately
- Do not change small sections

Aged gasket

• Loss of elasticity, hardens



Rubber packing

Permanent imprint

- Rubber packing that is permanently impressed to 50% of its design compression should be completely replaced
- Design compression, as a rule of thumb, is around 25% of packing thickness
- Result of poor steel to steel contact



Landing pads

Landing pads

- Size and dimensions dependent on weight of hatch cover
- Should always be checked for wear and repaired to original design if worn out
- Cassette type landing pads are easily replaceable
- If the wear is greater than 4mm, increased pressure on the gasket will cause damage. Landing pad repair is essential.



Compression bar





Double drainage system





Hatch cleats

Cleats

- Cleats and wedges hold the hatch in position with adequate gasket compression
- Rubber washer or 'grommet' to aid compression
- Compression of washer determines tension in the cleat
- These washers are prone to both physical damage and age hardening (weathering)



Access doors, hatches and ventilators

Often forgotten but equally important





Conclusion



Conclusion

- Cargo wet damage claims are expensive
- Proactive maintenance in line with maker's guideline is paramount
- Exercise due diligence to ensure that your ship is seaworthy & cargo-worthy
- Hatch cover ultrasonic test is a great tool to identify weak spots / areas of poor compression

