

# Safety Committee Meeting

## Appendix A cable / line testing requirements

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# Appendix A Testing Requirement

- 11<sup>th</sup> Edition of the RVSS revised 20 June 2023
  - Section A.5.2 Method of Determining TBL – Steel Wires and Cables
    - For steel cables and wire rope the Operator shall send a seven-meter test sample with at least one end terminated with a fitting normally used in the field. If the field terminations are found to not develop full breaking strength a test may be conducted using standard poured epoxy resin terminations.
- 9<sup>th</sup> Edition of the RVSS revision 1 dated 07/07/2011
  - Section A.3.8
    - For steel cables and wire rope the Operator shall send a five-meter test sample terminated on both ends with fittings normally used in the field. If the field terminations are found to not develop full breaking strength a test may be conducted using standard poured epoxy resin terminations.

# Vessel Applied Terminations

57% of vessel applied terminations broke below the NBL

Results varied by type of termination:

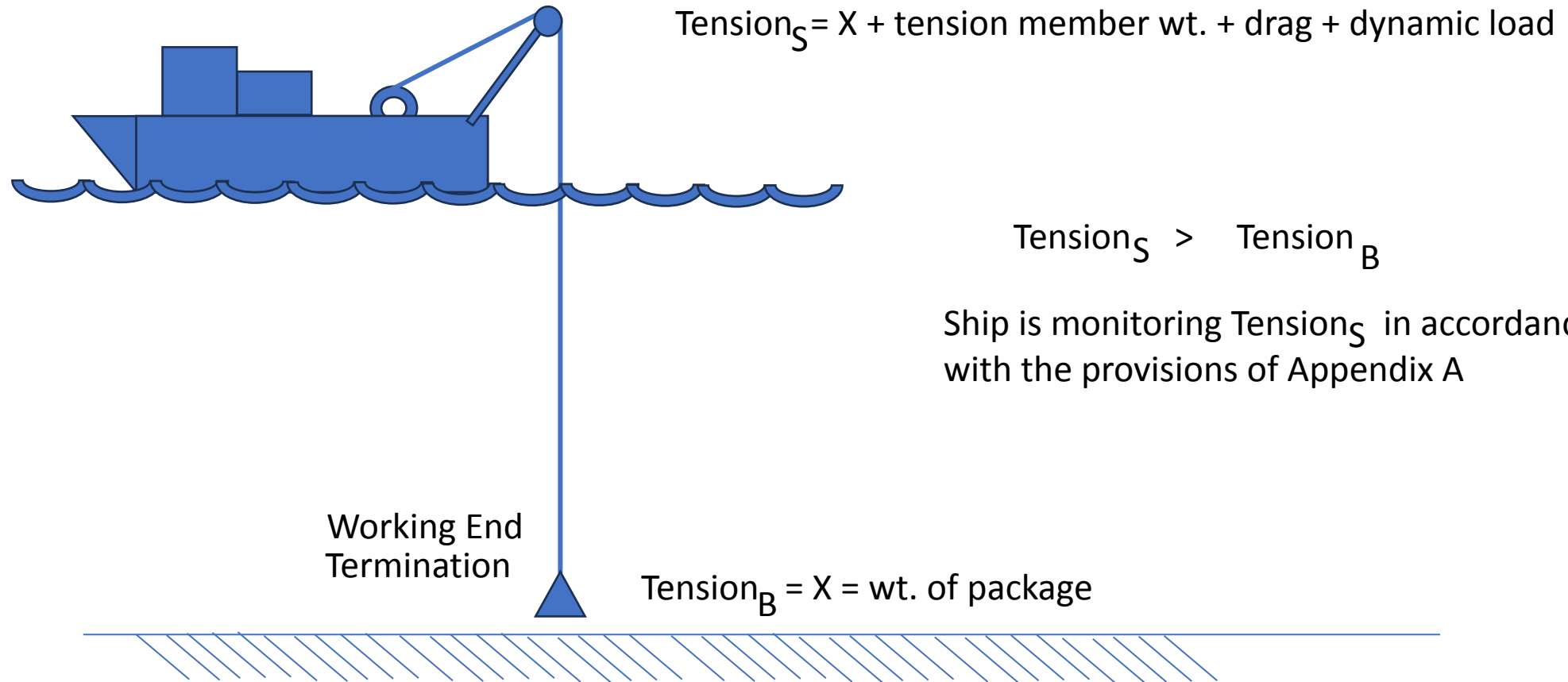
- Cable Grip Termination, 9 tests, 78% broke below the NBL
- Cerrobend poured socket, 10 tests, 40% broke below the NBL
- Nicopress with thimble, 22 tests, 68% broke below the NBL
- Electroline termination, 3 tests, 0% broke below the NBL

Of those that broke below the NBL:

The average breaking strength of samples with vessel applied terminations were 9% less than the NBL.

All repeat tests with Wire Pool applied terminations broke above the manufacturer's NBL.

# The terminated end is not the most heavily loaded section, so why test it?



# Is it appropriate to continue testing samples with vessel applied terminations?

## Pros

- Info re: Termination efficiency
  - What % of BS can the term. withstand?
- Info re: Terminating procedures
  - Are some approaches better than others?
- Info re: Terminating equipment
- Info re: The system as a whole, both the strength of the termination and the tension member.

## Cons

- Depletes supply of fittings....\$
- Requires additional time
- The termination end will not see loads as high as those at the over-boarding sheave.
- Fittings may sustain damage.

# This is a Safety Committee decision.

- Testing samples with vessel applied terminations is currently a requirement of Appendix A and has been for 13 years.

## Should there be a change to this requirement?

