

Meeting Report
ABYC Hull Piping PTC
Baltimore, Maryland
September 16, 2003

Highlights of the ABYC Hull Piping Project Technical Committee meeting held July 29, 2003.

1. This was the first Hull Piping PTC meeting held in 2 ½ years!
2. H-23, Potable Water Systems
 - Report on the hot water heater standards – I am the chair of this subcommittee and did not do any work in this area. I asked the PTC to reaffirm the subcommittee's requirements before I bring any issues to the industry. Since most yacht builders no longer design systems that draw hot water from the propulsion engines, many problems with hot water systems have been reduced. The subcommittee was tasked with investigating:
 - Should the standard include a by-pass mixing valve to hold temperature at less than 140degs on the discharge side?
 - Or with a T&P (Temperature & Pressure) valve plumbed overboard when on shore water?
 - NMMA Action: Survey yacht builders on their hot water designs.
 - The PTC discussed the need for a water system label. NMMA Action: Add to the above tasking: Propose a location of the hot water system label (Identifying temperature and pressure)
 - Double wall heat exchangers – ANSI C72.1 has been abandoned, so this standard will not be used as a reference in the NMMA standard.
 - ABYC staff researched the methods to check for leaks in single wall heat exchangers. The PTC will await comments on leak detection methods for these systems.
 - Reaffirmed that the potable water system shall be totally separated from other water systems such as chilled water systems.
 - All potable water system connections shall be positioned above the normal bilge water level. This allows for water tanks to be located in the hull bilge, as is the practice on sailboats.
 - Certification of potable water systems in other industries was not addressed by the PTC.
 - Next Action: Submit industry proposals from the hot water heater subcommittee, include those proposals in the draft standard, and go to consensus ballot.
3. H-27, Seacocks, Thru-hull Connections & Drain plugs
 - Added a uv test for all plastic fittings.
 - Added a 500 pound static force test to the inboard end of thru-hull fittings. The PTC also discussed the need for a minimum size fitting, since most 1 ½ inch fittings would probably fail the proposed static test. No action taken on this issue.
 - The PTC discussed uv exposure to hoses connected to thru-hull fittings. No action taken.
 - The load test will be changed from a static test to an impact test. The test requirements will be developed upon completion planned testing.
 - The PTC will look at the ANSI thread engagement standard for use in this standard for seacocks.
 - Next Action: Call for comments
4. H-22, Electric bilge pumps
 - Numerous editorial changes.
 - Added an appendix describing a bilge pump rating system.
 - On boats with enclosed accommodation compartments, an alarm shall be installed to indicate that the bilge water is approaching the maximum bilge water level.
 - Next Action: Consensus ballot after the appendix is written.
5. Piping below the waterline – Currently there is no industry standard that addresses piping below the waterline. PVC piping is used in sanitary systems below the waterline. Is fatigue cracking a problem with

this type of piping? The PTC will contact BoatUS for claims involving PVC piping. The PTC will explore the possibility of a Technical note on this topic.

6. TH-29, Sewage systems

- Sent out the technical report to the PTC for their review before Consensus Ballot

7. Next Meeting: At the call of the chair.