

National Marine Manufacturers Association

Compliance Specialist Exam Gasoline Fuel Systems (2022 MY) ABYC H-24 (7/17)

1. Flexible gasoline tank ventilation hose within an engine space, shall be:
 - a. Type A1-15
 - b. Type A1, A2, A1-15
 - c. Type B2
 - d. Type B1-15

2. A rigid metal distribution line must be secured within _____ of a connection with a flexible fuel hose.
 - a. 4-inches
 - b. 7-inches
 - c. 12-inches
 - d. 18-inches

3. An aluminum gasoline fuel tank must be at least ____ thick.
 - a. .45 in.
 - b. .050 in.
 - c. .084 in.
 - d. .090 in.

4. Fuel fills shall be located and orientated so no fuel can enter the boat when it is in its static floating position and fuel overflows at a rate of _____ per minute for _____.
 - a. 9 gallons; 5 seconds
 - b. 7 gallons; 5 seconds
 - c. 5 gallons; 5 seconds
 - d. 3 gallons; 5 seconds

5. The duration for pressure testing a 65-gallon gasoline tank is:
 - a. 5 minutes
 - b. 6 minutes
 - c. 7 minutes
 - d. 8 minutes

6. Open to the atmosphere is defined as:
 - a. One side of the compartment is open to the exterior of the vessel
 - b. There is at least 24 square inches of open area directly exposed to the exterior
 - c. There is at least 15 square inches of net open area directly exposed to the atmosphere, for each cubic foot of net compartment volume.
 - d. None of the above

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7. At what minimum pressure shall a gasoline system be tested for the fuel system pressure test?
 - a. 1-1/2 times the maximum hydrostatic head possible during service
 - b. 1-1/2 times the maximum hydrostatic head at the designed tank fill level, plus the system relief pressure
 - c. 3psi
 - d. The greater of A, B, or C

8. The gasoline fuel tank fittings must be readily accessible, without the use of hand tools.
 - a. True
 - b. False

9. The fuel fill cap shall be provided with a(n) _____ indication it has been properly sealed when closed.
 - a. Physical
 - b. Audible
 - c. Visual
 - d. Any of the above

10. All non-integral tank supports, chocks, or hangers, shall be separated from _____ tank surfaces by a non-metallic, non-moisture absorbent and non-abrasive material that is permanently bonded to the tank.
 - a. Metallic
 - b. Plastic
 - c. Composite
 - d. All of the above

11. Fuel fill hose clamps shall:
 - a. Be reusable
 - b. At least 5/16" band width per Table 3
 - c. Shall have a resistance to corrosion less than 300 series stainless steel
 - d. All of the above

12. The EPA evaporative emissions requirement allows fuel hose clamps, which depend solely on the spring tension to secure the hose fittings.
 - a. True
 - b. False

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13. A leaking fuel system warning label shall be placed:
- Installed near the fuel fill
 - Installed at a point of frequent servicing
 - Installed at the helm in plain sight of the operator
 - All of the above
14. There should be at least ____ of separation between the external fuel tank vent opening and any compartment ventilation opening.
- 7 inches
 - 15 inches
 - 40 inches
 - 72 inches
15. Which of the following would not be acceptable for anti-siphon protection?
- Securing the fuel supply line above the top of the tank to the engine
 - Installing an electrically operated valve at the tank withdrawal fitting
 - Installing a fuel flow meter at the tank inlet fitting
 - Installing an anti-siphon device at the tank withdrawal fitting
16. Gaskets and seals used in gasoline fuel systems shall:
- Be made of cork
 - Form a complete ring
 - Be Split
 - All of the above
17. Each metallic fuel tank and metal or metallic plated component of the fuel fill system, which is in contact with the fuel:
- shall be segregated from fuel
 - shall be EPA certified
 - shall be grounded
 - none of the above
18. The manufacturer must install the fuel tank so it can be maintained and replaced if needed.
- True
 - False
19. A flexible fuel hose section, less than 12-inches in length, is not required to contain hose markings if a tag is attached displaying the required information.
- True
 - False

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20. The fuel tank label shall be installed so it is:
- a. accessible
 - b. readily accessible
 - c. permanently installed and displayed in the owner's manual
 - d. readable from the installed tank position