

2017 APBA MODIFIED INSPECTION TEST

This test is divided into two parts: Inspector Trainees are to answer 1 - 18. Inspectors are to answer all questions. You will need a new Tech Manual and a Rule Book. Please print or type your answers. You may use additional 8 x 11 sheets of paper if needed. The completed test should be returned to: Jeff Williams, Modified Chief Inspector, 2342 Lincoln Way, Ford City, PA 16226 or by email to mjracing@windstream.net You will be notified of the results.

Name _____ APBA # _____
Address _____ Phone # _____
_____ Region _____ Date _____

Email address: _____

True or False for the following:

- _____ 1. Each boat shall be equipped with a spring loaded (closed) throttle and a full carburetor butterfly(s) in all engines.
- _____ 2. There is a minimum length for a 500 ccMR Runabout.
- _____ 3. The owner shall be responsible for the condition of the motor and hull as raced.
- _____ 4. Scales at races cannot be protested, but must be available for use before the first final heat of racing each day.
- _____ 5. All life jackets shall have at least 70% of the upper surfaces above the waist, both front and back International Orange or Yellow in color.
- _____ 6. You are conducting safety inspections and the driver presents a Snell 2015 helmet for inspection. The helmet looks pale lime green. It is legal.
- _____ 7. It is permitted to rotate the powerhead on the down housing in all classes.
- _____ 8. The addition of material to the outside of piston skirts is approved, specifically meaning "coating" skirts O.D. with a material to increase diameter, including the 200cc classes.

- _____ 9. It is permissible to thermal barrier coat piston crowns provided the overall piston crown dimensions are not changed.
- _____ 10. There are no reed cage specifications for the Mercury motor in the 400ccH class.
- _____ 11. It is illegal to coat piston skirts in 350cc Class Yamato 80-M motor.
- _____ 12. The 302 Yamato is a legal 850 cc class motor. List two reasons why or why not.
- A, _____
- B, _____
- _____ 13. A gear case that measures .950 min S dimension is illegal in the 750 cc classes.

ENGINE AND BOAT SPECIFICATIONS

14. 200 cc Class
- A _____ K _____ U _____
- C _____ K1 _____ V _____
15. 250 cc class Hot Rod
- G _____ J _____ R _____
- S _____ Minimum cc's _____
16. Yamato 80 in 350 cc classes
- E _____ H _____ C _____
- F _____ J _____ R _____
17. The 25 XS Mercury competing in the 350 ccMR has a propeller shaft height. What is the dimension? _____
18. You must measure the "A" dimension in 200 cc classes. Describe your procedure and tools needed.

19. You must measure a Yamato 302 500 cc-class cylinder head to determine legality. How would you accomplish this? List tools needed or used.

20. The 850 cc class has finished racing and has reported to Inspection. The winning boat was powered by a 2 cylinder OMC motor. The motor has 2 – 2 barrel carbs, is it legal? _____ Rule _____

21. You are inspecting a Yamato 102. You are looking at the cylinders, specifically at the transfer ports. There are machine marks in the port window of the steel sleeve and these marks extend beyond the sleeve onto the aluminum casting of the cylinder. Is this legal? _____

Why, applicable rule(s) _____

22. You are measuring a K series carburetor from a Mercury 25 in the 400 ccH class. The throat measures 1.245. Is this legal? _____

23. You are measuring a K series carburetor off a 500 cc Mod Mercury. What should the Venturi measure? _____

24. Please draw a side view of a single reed stop, reed, and portion of the reed cage showing the location where the reed stop height measurement is measured.