
Name/Employee #

Date

FBO/ASO Location

Score

This exercise contains completion, matching, multiple choice and true/false questions. These questions are derived from material presented in both the video tape and the corresponding section of the E.C.R.G. Read each question carefully and review your answers before returning the test to your instructor.

OVERVIEW

1. _____ (True or False) Delivering the incorrect type of fuel, or fuel that is contaminated, could result in aircraft damage or loss of life.

QUALITY CONTROL OF AVIATION FUELS

2. List the five primary types of fuel contamination.

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____

3. Water in fuel can stimulate the growth of _____ - _____, which can block fuel lines and filters.

4. _____ (True or False) Avgas mixed with Auto gas is not considered contaminated.

5. What is the color band that identifies Avgas 100 low lead?

- a. _____

6. What is the color band that identifies Jet A, or Avjet?

- a. _____

7. If the entire jet fuel system at the fuel farm is painted, what color(s) is/are acceptable?

- a. _____
- b. _____

8. If the entire avgas system at the fuel farm is painted, what color is acceptable?

- a. _____

FUEL STORAGE ISSUES

9. The fuel storage area must be isolated by fencing and kept _____ at all times.

10. Smoking is not permitted within _____ feet of fuel farms, loading islands, and refueling vehicles.

11. _____ (True or False) Each fuel storage area must have at least one wheeled extinguisher with a rating of not less than 80BC, and a minimum capacity of 125 pounds.

12. A fuel test that determines clarity or lack of particulates, and also determines if fuel is cloudy or hazy is called a _____ test.

13. A test of jet fuel for the detection of water, particulates and micro-organisms is called a _____ test.

14. Draining a fuel sample out of the bottom of a filter vessel is called a _____ check.

15. During a _____ test, fuel is drawn through a filter membrane to check for particulate contamination.
16. _____ (True or False) A sump sample should be done under full flow to allow fuel escaping to disturb the vessel bottom.
17. Identify the most common millipore test that compares the color of the membrane to standards established by the American Society of Testing and Materials.
- Gravimetric
 - Colorimetric
 - Mill Check
 - None of the Above
18. A comparison of the inlet and outlet valves on all filtration vessels is called a _____ check.
19. Filter/coalescer elements must be replaced if the corrected pressure difference exceeds _____ pounds per square inch at rated flow.
20. _____ (True or False) A differential pressure reading of zero may indicate a ruptured filter element which requires immediate corrective action.
21. How often must each storage tank sump be drained and the fuel checked and tested?
- Daily
 - Monthly
 - Bi-Monthly
22. How often must you perform a millipore test of each filter/separator?
- Daily
 - Weekly
 - Monthly
23. _____ (True or False) Emergency shut-off and deadman controls must be tested each week.

ORDERING AND RECEIVING FUEL

24. Before placing an order for fuel you must _____ each tank to determine the quantity needed.
25. Upon arrival and positioning of a fuel transport vehicle, what is the first thing that should be done.
- Perform a Control Check.
 - Open each dome cover to check fuel quantity.
 - Verify that the vehicle is secured with wheel chocks.
26. List the three items included in a control check.
- _____
 - _____
 - _____
27. _____ (True or False) You should always be present to supervise the entire acceptance and delivery of product to avoid possible product mix or contamination.
28. During off-loading, hose fittings and tank connections should be monitored for _____.

REFUELER QUALITY CONTROL

- 29. Each refueler must be equipped with two _____ type fire extinguishers.
- 30. Refuelers must be kept _____ to minimize the condensation of water.
- 31. How often must sump tests be performed on refueler tanks and filtration vessels?
 - a. Monthly
 - b. Weekly
 - c. Daily
- 32. The fuel delivery pressure on jet refuelers must never exceed _____ pounds per square inch.
- 33. How often should you check refueler nozzle screens and strainers?
 - a. Weekly
 - b. Monthly
 - c. Annually

Instructor/Student Test Acknowledgment

I have carefully reviewed each question and answer with the student regarding the material presented in this module. All items were discussed and answered to the satisfaction of the student and instructor.

_____	_____
Instructor	Date
_____	_____
Student	Date