Aero Fliers, Inc.

Ground Review N987AF

Pilot_____

Date_____

1. What is the total usable fuel capacity? _____
2. How many fuel tanks are there? _____
3. How many fuel sumps are there and where are they?

   _____

4. What is the correct fuel and what color is it?

   _____

5. When should the fuel tanks be sumped?

   _____

6. How should fuel levels be checked?

   _____

7. What is the total oil capacity and what is the minimum operating oil level (in quarts)?

   _____/_____

8. List the following in pounds or KIAS (list V speeds for Max Gross Weight):
   a. Basic Empty Weight_____
   b. Max Takeoff Weight_____
   c. Max Landing Weight_____
   d. Max Cargo Weight(s)_____
   e. V_X _____

f. V_Y _____

g. V_A _____

h. V_{SO} _____

i. V_G _____

j. V_{APPR}_____ (This is your approach/landing speed for different configurations, i.e. Flaps 0°/Flaps 20°/Flaps 40°.) Technique only: use 1.3 V_{SO} for a given weight as the approach speed because it provides stall protection up to 45° of bank.

9. How do you detect carburetor ice?

_____

10. What do you do if you suspect carburetor ice?

_____

11. When should carburetor heat be applied?

_____

12. When should the beacon and navigation lights be turned on?

_____

13. Describe the “Go Around” procedure:

_____

14. When are seatbelts/shoulder harnesses required to be fastened?

_____

15. What is your technique for leaning the mixture and why?

_____

16. When should the mixture be full rich and when should it be leaned? Note: There are multiple techniques, just make sure your technique is applicable to the conditions and that you exercise consistency with your technique(s).

_____

_____

_____

17. What is the highest temp CHTs recommended by Continental and what should one do if CHTs exceed that temperature?

_____

_____

_____

18. How does density altitude affect aircraft performance and what might you need to consider when there is a high density altitude?

_____

_____

19. Where in the POH/STC data can you find takeoff and landing performance data?

_____

20. Where can you find a copy of the POH/STC data?

_____

21. What documents must be on board during flight?

_____

22. What average true airspeed do you use for flight planning purposes and why?

    _____

23. What average fuel burn do you use for flight planning purposes and why?

    _____

24. Using answers from Q 22 and 23 above, what MP/RPM and percent power found in the STC power charts would you normally utilize for flight planning?

    _____

25. Plan a cross country trip from KAKR to KUNV. Assume it is 20 degrees Celsius, clear skies, and light winds. Plan 25 pounds of luggage, and two passengers, one weighing 200 pounds, and one weighing 180 pounds. Complete the following:

    a. Compute the weight and balance.

    b. How much fuel will you plan for (including applicable reserve)?

       _____

    c. What altitude will you fly and why?

       _____

    d. What route will you fly and why?

       _____

    e. What things do you need to consider and plan for at KUNV?

       _____

       _____

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Reviewed by:

_____

Date: _____