Western Air Flight Academy

RENTER PILOT AIRCRAFT QUESTIONAIRE

PILOTS' NAME: _____ DATE: _____

AIRCRAFT MAKE & MODEL: _____ N#: _____

1. What is the total fuel capacity? _____ Capacity of each? _____ Total usable fuel? _____ # tanks? _____
2. What is MAX Endurance Time and Power setting? _____
3. How many and where are the fuel drains located? _____ _____
4. What is the aircraft's empty weight? _____ Useful load? _____ Max takeoff gross weight ? _____
5. What is the recommended short field approach air speed and configuration? _____
6. What is the best rate of climb speed at S.L.? _____
   5000'? _____ 10,000'? _____
7. What is the best angle of climb speed at S.L.? _____
   5000'? _____ 10,000'? _____
8. What is the maneuvering speed with you, 25 lbs baggage and half fuel? _____
9. At BJC & gross weight, the take-off roll at 85° is _____
10. What is the maximum demonstrated X-wind component? _____
11. What is the Best Glide Speed? _____
12. What is the Minimum Oil Level? _____
13. **Fill in the V-Speed Table to the right:** ➡

V SPEEDS IAS (MPH OR KTS)

V_{so} _____
V_{s1} _____
V_x _____ Cruise _____
V_y _____ Climb _____
V_{fe} _____ (init.V_{fe}) _____
V_a _____@ _____#, _____@ _____#
V_{no} _____ V_{ref} (Approach)_____
V_{ne} _____ 1.3 V_{so} _____
V_r _____

V_{le} _____ _____
V_{lo} _____ _____

V_{mc} _____ +5_____
V_{sse} _____ V_{yse} _____

14. The L.G horn sounds at: _____ "Hg, and _____ flap setting (gear up).
15. The landing-gear hydraulic system must be checked every _____ hours.
16. What are the indications of an UNSAFE landing gear?
    _____
17. Describe how to access & check landing-gear hydraulic reservoir: _____
    _____
18. What level of landing gear hydraulic fluid is acceptable? _____
19. Describe what the landing gear Safety Squat Switch is for, where it is located and what activates it: _____
    _____
20. How many landing gear related circuit breakers are there; how are the activated/deactivated and where are they located?
    _____
21. Describe the emergency procedures to extend the landing gear: _____
    _____
    _____
22. What is the normal operating pressure range for the landing gear? _____
23. Number of L.G. position indicator lights? _____ Gear Up Color? _____ Gear down/locked Color? _____
24. Approximately how many pumps does it take to extend the L.G. with the Emergency Hand Pump? _____
25. Why do you touch the brakes prior to retracting the landing gear? _____
26. **Have you filled in the WAFA Weight and Balance Data Sheet for this Aircraft? Circle: YES NO _____F.I. Init.**

_____ _____

Renter's Signature Date Instructor's Signature Date

03/06