

# Brandywine Flight School

## Piper Arrow II Rental Policy and Quiz

In addition to the TAS Inc. Rental Policy and Procedures, The Piper Arrow II (N830PC) has additional requirements for rental.

Below is a list of supplemental rules for N830PC, as well as an Arrow II quiz that must be completed before rental. All renters must be approved by Ted Behrle.

### Arrow II Rental Requirements

- Minimum of Private Pilot Certificate or above
- 10 hours in make and model aircraft
- Must possess pilot's operating handbook for aircraft
- Must have received one-time endorsement in logbook from certified flight instructor (ref. Part 61.31 subpart E).
- Must have rental pilot insurance
- Nighttime rentals require Instrument rating and a nighttime checkout
- Aircraft must have been rented from TAS Inc. within the past 90 days

The instructor will have the final say on the renters' capability. The above requirements are all minimums and are subject to the discretion of the flight instructor performing the checkout. TAS Inc. reserves the right to cancel any flight at its discretion.

### Arrow II Quiz

1. What is the fuel capacity of each tank?
2. What is the usable fuel capacity?
3. What type and grade of oil is recommended?
4. What is the minimum and maximum operating oil level?
5. Describe the cold engine starting procedure.

# Brandywine Flight School

6. Describe the hot engine starting procedure.
7. Describe the engine starting procedure if the engine is flooded.
8. Describe the proper way of cleaning the windscreen.
9. What is the empty weight?
10. What is the useful load?
11. How does the stall warning system operate, and what type of warning is used?
12. What is the procedure if you do not get all three green gear lights on?
13. How should the Pulse lights be operated?
14. What is the  $V_y$ ?
15. What is the  $V_x$ ?
16. What is the  $V_a$ ?
17. What is the  $V_{so}$ ?
18. What is the maximum demonstrated crosswind component?

# Brandywine Flight School

19. Below what speed can you safely raise the landing gear?
20. Below what speed can you safely lower the landing gear?
21. How is an emergency gear extension performed?
22. Describe the Climb performance chart.
23. Describe the Takeoff performance chart.
24. Compare stall speed vs. angle of bank chart.
25. Do a weight and balance; pilot and front seat passenger 420lbs, full fuel, no baggage, no rear passengers. Are we in C.G.?