

Spartan Wings, Inc.
Aircraft Checkout Form

Pilot _____ Aircraft _____ Date _____

What is the total fuel capacity? _____ gallons. Usable? _____ gallons

What is the fuel grade(s)? _____ Color(s)? _____

If necessary, when should you switch fuel tanks? _____

How many fuel drains are there? _____

Where are the fuel drains? _____

When should they be drained? _____

What is the prescribed minimum oil quantity for normal flights? _____

What is the prescribed minimum oil quantity for extended flights? _____

What is the recommended oil grade in the summer? _____

What is the recommended oil grade in the winter? _____

What is the maximum outside temperature that the Tanis heater should be utilized? _____

How long should the heater be ON before a flight if temperature requires? _____

What is the maximum time the heater can be ON without causing damage to the engine (assuming the temperature requires the heater)? _____

Under what conditions could the Tanis heater cause engine damage? _____

What is the normal fuel burn for T/O and climb? _____ gph. For cruise? _____ gph

How long could you fly with full fuel at this rate? _____ hours

What is the Spartan Wings VFR day fuel requirement? Destination plus _____ minutes

What is the Spartan Wings VFR night fuel requirement? Destination plus _____ minutes

Where is the fuel primer located? _____ How many times should the primer be pulled out and pushed in for a cold start? _____

At what times should the fuel selector be set to BOTH? _____

When can you turn the fuel selector to RIGHT or LEFT? _____

Why would you want to turn the fuel selector to RIGHT or LEFT? _____

What position should the fuel selector be on if you've exhausted the fuel in one tank? _____

Why? _____

What is the maximum gross weight of the aircraft? _____ lbs.

What is the maximum useful load? _____ lbs.

Do you have an alternate static source in the aircraft? _____ If so, where is it located? _____

For the following instruments, list the source of power:

Airspeed Indicator _____ Altimeter _____

Attitude Indicator _____ Vertical Speed Indicator _____

Heading Indicator _____ Turn Coordinator _____

What is the proper procedure for engine failure after takeoff? _____

After a total power loss, what are the first two important tasks to be accomplished? _____

After these are met, what should be done next? _____

How do you detect the presence of carburetor ice? _____

If carburetor ice is suspected in flight, what is the proper procedure for removing it? _____

What should the voltage read during run-up? _____

What is the indication of alternator malfunction? _____

What should you do in the event of an overvoltage situation? _____

What would you do if your alternator fails? _____

What is the procedure for a go-around in this airplane? _____

VFR cruising altitudes are required above what altitude? _____

What are the basic VFR weather minimums? _____

List the appropriate information for Mason airport:

Unicom _____ AWOS _____ Field Elevation _____

Traffic Pattern Altitude _____ RWY 27 is (L or R) pattern? _____ RWY 9 is (L or R) pattern?

ICAO identifier _____

For this aircraft, work a weight and balance with full fuel, you and Aunt Mary in the front seat (189 pounds each), and one rear passenger, your cousin Billy (130 pounds). Please list total weight, CG, and determine if you are safely within limits.

Fill in the table with the appropriate airspeed and definition

| V-speed | KTS | Definition |
|----------------|------------|-------------------|
| Best Glide | | |
| V_{so} | | |
| V_{s1} | | |
| V_y | | |
| V_x | | |
| V_{ne} | | |
| V_{no} | | |
| V_A | | |
| V_{final} | | |
| V_{fe} | | |
| Max Xwind | | |