Chester County Aviation - - - - Single-Engine Questionnaire

This form is to be used as an aid in reviewing FAR Part 91 fundamental specifications, mechanical systems and procedures for the aircraft flown. Utilize all available aircraft documents to aid in this review, ie: AFM, POH, placards or markings. After completion and review, this form will become part of the pilot's insurance file. **Not All Questions Apply to All Aircraft.**

Pilot:		_ Date:	
Air	craft Make & Model:	N#:	
1.	How many fuel tanks are there?		
2.	What is the capacity of each tank	What is the total capacity?	
3.	What is the total useable fuel cap	pacity?	
4.	What is/are the useable fuel Grad	de(s)? Color(s)?	
		located?	
	When are they drained?		
7.	What is the recommended grade	and type of oil to be used?	
8.	What is the minimum operating o	il level? Maximum oil level?	
9.	What is the aircraft basic empty w	veight?	
	a. Does basic empty weight inclu		
	b. Does basic empty weight include unusable fuel?		
10.	.What is the useful load?		
11.	.Give the following weights:		
	a. Maximum Takeoff Weight:		
	b. Maximum Landing Weight:		
	c. Maximum Ramp Weight:		
12.	. What is the Center of Gravity Rar	nge at maximum takeoff weight?	
13.	. What is the recommended short-	field takeoff procedure?	
14.	.What is the recommended short-	field final approach speed? Flap	
	Setting?		
15.	.What is the recommended short-	field landing procedure?	
16.	. What is the recommended soft-fie	eld takeoff procedure?	
		eld climb-out speed? Flap Setting?	
18.	.What is the recommended soft-fie	eld final approach speed?Flap Setting?	
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19.	.What is the recommended soft-fie	eld landing procedure?	
20	What is the recommended norma	al climb-out speed? Flap Setting?	
		al approach speed?Flap Setting? al approach speed?Flap Setting?	
		r) at sea level? At 10,000 MSL?	
	. What is the best rate of climb (v)	·	
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24.	.What is the maneuvering speed (Va) range?
	.What effect does reducing gross weight have on Va?
26	What is the stall speed in landing configuration (Vso)?
	What is the maximum demonstrated crosswind component?
	. What is the purpose of flaps?
	. What are the indications of carburetor ice?
	In the event of carburetor ice, what do you do?
31.	. What is the power setting, fuel consumption and true airspeed for the
	following?
	60% Power, 8,000' standard temperature a. RPM?
	b. Fuel Consumption?
	c. True Airspeed?
32.	c. True Airspeed? What would be the indication of an alternator or generator failure?
33.	. What is the "Go Around" procedure?
O 4	Oalandata the fallencies take of distances.
34	Calculate the following takeoff distances:
	a. Max. Gross Weight, no wind, sea level, and standard temp?b. Max. Gross Weight, 8 kt. Headwind, 2000' 86 degree F, 50' obstacle?
35.	When are passengers required to have their seat belts fastened?
36.	What documents must be onboard during flight?
37.	Provide the basic VFR weather minimums for flight in Class E airspace, below 10,000' a. Visibility?
	b. Ceiling?
38.	b. Ceiling? Cloud Clearance: Above? Below? Side?
39.	.VFR cruising altitudes (odd's + 500 / even's + 500) are required above what
40.	altitude? MSL or AGL? What inspections are required for this aircraft?
	Does this aircraft have an alternate static source? If so, where?
42.	.What instrument will be affected by the use of an alternate static source?
43.	What changes will be experienced if you use your alternate static source in flight?
	Questionnaire Reviewed by: Date:
	Approved for Solo Rental by: Date:
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