RFC Dallas, Inc.

AIRCRAFT QUESTIONNAIRE (9/25/2016) "A Safe Pilot Knows His Equipment"

NAME:			Date	e:
Aircraft:	Cessna 182Q	Registration Number: N631S	Serial Number:	
and prod his que flight by by a Clu	cedures. No atte stionnaire will pro a Club Checkout b Instructor and y	ovide a review of the basic info	depth all the information rmation a pilot should kno along with the ground and	contained in the POH/AFM but w prior to being certified for solo I flight instruction you will receive
esponse his revi	e. Upon complet	a signed copy (with corrected r	nstructor to schedule a rev	ling the most appropriate iew of your responses. Following in the club lockbox and notify the
1)	What is the Max	kimum Gross Take-Off Weight (MGTOW) for this aircraft?	·
2)	The Empty Weig	ght of this aircraft is:	(Lbs). Empty Weigh	t CG is:
3)	At gross weight,	the Forward C.G. limit is	The Aft C.G. I	imit is
4)	The Useful Load	of this aircraft is	Lbs.?	
5)	This aircraft is co	ertified in the	_category.	
6)	What type of fu	el does this engine require?		
7)	The fuel tanks h	old total gallons and	d gallons are us	able.
8)	This aircraft has	fuel drains.		
9)	During fueling, t position.	to ensure tanks fill evenly, the f	uel selector should be on	the or
10)	Where is the lov	w point drain?		·
11)	By what method	d is fuel routed to the engine fro	om the fuel tanks?	·
12)	During takeoff a	and landing the fuel selector sho	ould be on the	_ position.
13)	With <u>FULL</u> fuel,	the <u>remaining</u> useful load (pass	sengers and bags) is	Lbs.?
14)	During "cold" or	perations, the POH recommend	dsstrokes	of the primer.
15)	Maximum engin	ne horsepower is	_ @2400 RPM. It has	cylinders.
16)	The engine hold	ls a maximum of quart	ts of oil. Add oil when the	level is below quarts.

the

17)	For "normal" takeoff	, use or	degs of flaps	. Use	degs of flaps	s for soft field tal	ceoff.
18)	Is "Lean Of Peak" ope	eration approved for	this aircraft?(Yes / N	o).		
19)	The <u>recommended le</u>	ean procedure is	degrees			·	
20)	How do you prevent	unbalanced fuel tank	s while in exten	ded cruise	operations?		
21)	To recover from a sp	in:		·			
	a)		b)				
	c)		d)				
	e)						
22)	On a 100°F day with 4,000' pressure eleva	no wind, what is the oation?		d to clear a	a 50-foot obstac	cle at gross weigh	nt and
23)	To achieve the charteKts. (Care	ed performance in the must be taken if maximum	•		-	· ·	
24)	What is the Maximur Maximum is?	m Cylinder Head Tem C; F		C;	F. The	Club's recomme	nded
25)	While performing the testing the propeller	e "Before Takeoff Che control, the recomm		_	-	Wher	1
26)	Indicate airspeeds in	KTS:					
	VA	(Max Wt.)	(2450 Lb	s.)	(1950 Lbs	s.)	
	VFE	(Approach) VS	_			
	VSO		VNO	_			
	VNE		VX	_			
	Glide		VY	_			
	Balked landing _						
	Maximum Demo	onstrated X-wind: Tak	eoff	_ Kts. Land	ingk	íts.	
27)	From 8,000 AGL, app	proximately how far ca	an the aircraft g	lide (no wii	nd)?	·	
28)	What is the Maximur	m Glide Configuration	in this aircraft?)			
	a)	b)	c)				
	d)	e)					

29)	For an suspected <u>Electrical</u> fire in flight, the first two (2) appropriate actions are to:
	a) b)
30)	At gross weight with gear and flaps retracted and zero angle of bank, what is the power off stalling speed? Kts.
31)	In a 45° bank with gear and flaps retracted, what is the power off stalling speed? Kts.
32)	Is this aircraft approved for flight in known icing conditions? (Yes / No)
33)	Explain two methods to detect carburetor icing in this aircraft:
	a
	b
	c. If detected, the appropriate action should be to apply
34)	On final approach, check:
	a) b)
	c)
35)	On a go round, apply power and raise flaps to which position?
36)	After landing, when are the flaps raised?
37)	As you descend, manifold pressure will (increase / decrease).
38)	Except in extremely low temperatures, the cowl flaps should be (open / closed) during:
	a) b)
	c)
39)	The external power receptacle is located on The voltage on the Auxiliary Power Unit should be set to (14 / 28) volts.
40)	What position is the Battery Switch prior to connecting the Auxiliary Power Unit? (Off / On)
41)	This aircraft (is / is not) certified for aerobatics.
42)	Can the ELT be activated from the cockpit? (Yes / No)
43)	The Attitude Indicator is (pressure / electrically) powered.
44)	The Turn Coordinator is (pressure / electrically) powered.
45)	The GPS in this aircraft is WAAS capable? (Yes / No) and (is / is not) IFR certified?
46)	This aircraft is equipped with an HSI. It is (pressure / electrically) powered; It is slaved? (Yes / No
47)	The autopilot in this aircraft has an "Altitude Hold" mode? (Yes / No)

48)	The autopilot in this aircraft will fly the ILS glide slope? (Yes / No)
49)	Is this aircraft equipped with an "alternate static air source"? (Yes / No)
50)	How may an alternator problem be recognized by the pilot?
	a) b)
51)	Can this aircraft depart with an inoperative alternator? (Yes / No)
52)	In what Section of the POH can you find the proper tire inflation information?
53)	There are emergency exits. Name them:
54)	How often does the Aircraft Registration on this aircraft expire?
55)	According to FAR Part 91, the is responsible for determining whether the aircraft is safe a airworthy for flight.
Reviewe Authori	ed by: Date: Date:

Additional Pilot and Instructor TIPS for piloting N631J: (you may keep this page)

- Due to the placement of the CHT probes on this engine, the CHT's <u>displayed</u> on the JPI Engine Analyzer are 25 to 30 degrees Fahrenheit <u>higher than actual</u>. While CHTs may exceed 400 degrees Fahrenheit on the JPI Engine Analyzer on climb out, upon leveling off, members are requested to keep CHTs at or below 400 degrees Fahrenheit on the JPI Engine Analyzer. This can be accomplished by:
 - keeping cowl flaps fully or partially open
 - and/or
 - o with power/mixture management.
- At 1000 feet AGL, bring MP back to top of the green and props back to 2400 RPM.
- For <u>cruise</u> power, "23 squared" works well.
- Due to plane being nose heavy, keep a small amount of power (1300 1500 RPM) on into the flare and until touchdown; Getting slow in this plane on final it is very easy to get behind the power curve.
- If during landing the nose drops and the plane bounces, <u>apply full power and go-around</u> (i.e., don't try to recover); Trim nose up on final and be aware of this if a go-around is necessary.
- Getting slow on approach (below 65 knots) will result in a large sink rate that will require the application of considerable power to recover. Avoid!
- Avoid full power during power-on stalls due to the propensity of the plane to drop a wing at the stall break (21" MP / 2300 RPM is suggested as a maximum).
- Upon engine shutdown open oil port door to help heat dissipate faster. Make sure door is closed prior to leaving plane. Do not leave open.
- Insert Cowl plugs after engine begins cooling down.