WPR21FA143

OPERATIONAL FACTORS/HUMAN PERFORMANCE

Group Chair's Factual Report - Attachment 3

Personnel Records

October 25, 2022

Soloy Helicopters Pilot Qualification Card

ZOCHARY RUSSELL Pilot Certificate:
Is approved for the following operations:
FAR Part 133 - MD500 () AS350 () BH205 ()
BK117 () Class A ⋈ B ⋈ C ⋈
FAR Part 135 - MD500 () AS350 () BH205 ()
BK117 ()
FAR Part 137 - MD500 () AS350 () BH205 ()
. ВК117-()
Issued on: 6-5-2019 by John Breches CHIEF

AIRMAN COMPETENCY/PROFICIENCY CHECK				LOCATION	DATE OF CHECK						
FAR 135				PAWS	1-21-2	202	1				
NAME OF AIRMAN	(last, first, middle	initial)					TYPE OF CHECK				- 1
BUSSELL, ZACHARY L BTIFICATION Grade COMMERCIAL				FAR 135.293 🕮 FAR 135.297 🗆 FAR 135.299 🖼							
DT	Grade Con	NERCIA	<u> </u>				MEDICAL INFORMATION: Date of Exam. 03/23/2020				
				Date of Birth	Class	/ — Т					
				TYPE AIRPLANE (Make/Model) A							
		_								<u> </u>	
SOLOY HELI NAME OF CHECK	AIRMAN	WASILLA SIGNOF CHY			N		Simulator/Training Device (Make/Mode FLIGHT TIME	<u>''</u>			
NAME OF CHECK AIRMAN SIG-OF CHECK AIRMAN BAECHUER			0.6	N350	SH						
FLIGHT MANEUVERS GRADE (S-				S Satisfactory U Unsatisfactory				\neg			
	n PIL										_
				Air-	Simu-	Trng.			Air -	Simu-	Trng. Dev.
<i>y</i>				craft	lator	Dev.					
	PREFL	IGHT					HELIC	OPTER			
1. Equipment Exa	mination (Oral or w	vritten)		5_			1. Ground and/or Air Taxi		5		
2. Preflight Inspec	tion			5			2. Hovering Manuevers		5		
3, Taxiing				5			3. Normal & Crosswind T.O. & Landi	ngs	6	,	
4. Powerplant Che				5		L	4. High Altitude Takeoffs & Landings				
	TAKE	OFFS	т			T	5. Sim. Engine Failure		5		
5, Normal				$ \leftarrow $	_		6. Confined Areas, Slopes, & Pinnacle	s	5		-
6. Instrument				-		 	7. Rapid Deceleration (Quick Stops)	-	5		-
7. Crosswind	Powerplant Failure			+			8. Autorotations (Single Engine)		5	<u> </u>	
9. Rejected Takeo		,		1	-		Hovering Autorotations (Single England) Tail Rotor Failures (Oral)	jine)	5	-	-
J. Hejotted Tunbo	INFLIGHT M	ANEUVERS	P		1	1	11. Settling With Power (Oral or Flight	·1	5		\vdash
10, Steep Turns			Т	$\overline{}$	1	Τ	SEAPLANE OPERATIONS				
11. Approaches to	Stalls			+	 		1. Taxiing, Sailing, Docking			1	
12, Specific Flight	Characteristics			17		1	2. Step Taxi & Turns			1	
13. Powerplant Failure			\rightarrow			3. Glassy/Rough Water T.O./Landing					
	LAND	INGS					4. Normal Takeoff & Landings				
14, Normal				4	1	<u> </u>	5. Crosswind T.O. & Landings		سليرا	1	<u> </u>
From an ILS				+	-	ļ		HER	-	+	
Crosswind				+	-	-	6. Ski Plane Ops. (when applicable)			L	Ь
17. With Simulated 18. Rejected Landi		ure		+	├	┼	7. Judgment	ERAL			_
19. From Circling			-+	+	╁	+	8. Crew Coordination		5		
13, Trom Growing	EMERG	ENCIES		_	<u></u>		C. Class Goodalatton			1	ь
20, Normal and Ab			Т	5	1	Т	AIRMAN COMPETER	NCY INFORMATIO	N:		
21, Emergency Pro	cedures			5		<u> </u>	Demonstrated Current Knowledge FAR 135.293(a)				
	INSTRUMENT	PROCEDURE	S			•	Make/Model Expires A 5350	(12 months) ()
22. Area Departure	1						Demonstrated Competency FAR 135.	293(ь)			
23, Holding				1		<u> </u>	Make/Model Expires AS350	(12 months) ()
24. Area Arrival				- 1			Satisfactorily Demonstrated Line Check				
25. ILS Approache					—	 	FAR 135,299 Expires	(12 months) (
26. Other Instrume				+	-		Satisfactorily Demonstrated IFR Profic	•			
Approaches:	VOR		-	+	+		FAR 135,297 Expires Use of Autopilot (is) (is not) Authorize	(6 months	, ,		
	ILS			\Rightarrow	╅──	+	Expires	n. (12 months	3 ()
	Other (Specify) uni	ULIAN ATT		3	 	+			· · ·	2	
27, Circling Appro		NOUNC ALL		7	†	†	REMARKS ASSOBS DIFFER	ences Train	NG	COMP	العاعا
28, Missed Approa				+	1	T	1				
29, Comm./Nav. Pr	rocedures]				
30. Use of Auto, P	ilot			1	1		BASE MONTH IS FE	BRUARY			
RESULT OF CHECK		Approx					CHECK AIRMAN'S PERFORMANCE (FAA Only)	☐ Satisf ☐ Unsat		ry	
REGION			DISTR	ICT	OFFIC	E	FAA INSP	ECTOR's SIGNATI	JRE		
ALAS	SKA			Αı	&	3					

AIRMAN COMPETENCY/PROFICIENCY CHECK				LOCATION DATE OF CHECK					
FAR 135				PAWS 1-24-3020					
NAME OF AIRMAN (last, first, middle in	nitial)				TYPE OF CHECK				
Dioscell Zach	any L				FAR 135.293 FAR 135.297 □ FAR 135.297 □ FAR 135.297	ND 135	200 =	_	
PILOT PILOT Grade Cov					_	AR 135		2	
CERTIFICATION			MEDICAL INFORMATION: Date of Exam. 3-1	1-90	1 1				
INFORMATION: Number					Date of Birth Class				
EMPLOYED BY:	BASED AT (City,				TYPE OF AIRPLANE (Make/Model) M D SDD				
Soloy Itelicopters	WAS116				Simulator/Training Device (Make/Model)				
			FLIGHT TIME 0						
R. Gicleon			• 9 N 31531	4					
FLIGHT MANEUVERS GRADE (S				- Satisfactory U - Unsatisfactory)					
PILOT Air- Simu- Trng.					Air-				
		craft		Dev.		craft	lator	Dev.	
PREF	LIGHT				HELICOPTER				
1. Equipment Examination (Oral or Wr.	itten)	2			I. Ground and/or Air Taxi	5			
2. Preflight Inspection		S			2. Hovering Manuevers	S			
3. Taxling		S			Normal and Crosswind T.O. & Landings	S			
4. Powerplant Checks		5			4. High Altitude Takeoffs & Landings				
TAKEC	DFFS		,		5. Sim. Engine Failure	5			
5. Normal		5			6. Confined Areas, Slopes, & Pinnacles	<u>Š</u>			
6. Instrument		4			7. Rapid Deceleration (Quick Stops)	5			
7. Crosswind					B. Autorotations (Single Engine)	<u>S</u>			
8. With Simulated Powerplant Failure		4			B. Hovering Autorotations (Single Engine)	S			
9. Rejected Takeoff					10. Tail Rotor Failures (Oral)				
INFLIGHT MA	ANEUVERS				11. Settling With Power (Oral or Flight)	5		1	
10. Steep Turns		1			SEAPLANE OPERATIONS				
11. Approaches to Stalls		ا _			I. Taxiing, Saliing, Docking	1			
12. Specific Flight Characteristics		4			2. Step Taxi & Turns	$\perp \downarrow$			
13. Powerplant Failure					B. Glassy/Rough Water T.O. & Landings				
LANDI	NGS	<u>.</u>			4. Normal Takeoff & Landings				
14. Normal		ح	ļ		5. Crosswind T.O. & Landings			L	
15. From an ILS		_			OTHER				
16. Crosswind		4	-		5. Ski Plane Ops. (when applicable)	مسرا		Ь	
17. With Simulated Powerplant(s) Failu	ure	\leftarrow			GENERAL				
18. Rejected Landing		ک			7. Judgment S. Crew Coordination				
19. From Circling Approach EMERGE	NOISE	_			B. Crew Coordination	5			
20. Normal and Abnormal Procedures	INCIES	۲			AIRMAN COMPETENCY INFORMATION	N:			
21. Emergency Procedures		-2			Domenstrated Current Knowledge EAD 105 200/s)				
INSTRUMENT P	POCEDURES	٦_			Demonstrated Current Knowledge FAR 135.293(a)				
22. Area Departure	ROOLDONLO				Make/Model Expires MDSDD (12 months) (01) 2021 Demonstrated Competency FAR 135.293(b)				
23. Holding		4				1	200	16	
24. Area Arrival		+			Make/Model Expires M US DU (12 months) (1 Satisfactorily Demonstrated Line Checks)	300	×)	
25. ILS Approaches		+			1	9),	200	11	
26. Other Instrument Approaches		+			FAR 135.299 (12 months) (12 months) (13 months)	9))	000		
Approaches: NDB/ADF		\dashv							
VOR		+			FAR 135.297 (6 months) (Use of Autopilot (is) (is not) Authorized.				
ILS		/				,			
Other (Specify) Lan	USUAL ATT	7			Expires (12 months) (
27. Circling Approaches	3	مسلا			REMARKS Base Month January				
28. Missed Approaches		4			1				
29. Comm. / Nav. Procedures		+							
30. Use of Auto Pilot		سلر							
RESULT OF CHECK	Maria Approved ☐ Disappro		············			atifacto			
			055105				y		
REGION Alaska	DIS		OFFICE 4 L^		FAA INSPECTOR'S SIGNATU	JKE			

AIRMAN COMPETENCY/PROFICIENCY CHECK				LOCATION DATE OF CHECK				
FAR 135				PANS 1-21-2020			ĺ	
NAME OF AIRMAN (last, first, middle initial)				TYPE OF CHECK				
8				FAR 135.293 E FAR 135.	297 □ F4	AR 135	299	
PILOT GOODS				te of Exam. 3-19			_	
CERTIFICATION GIAGE COMMERCIA	١			MEDIOAE IN OKMATION. Da	16 01 Exam. 3-19	- 201	4	
INFORMATION: Number				Date of Birth	Class I			
1	AT (City, State			TYPE OF AIRPLANE (Make/Model) A	5350BZ			
NAME OF CHECK AIRMAN SIG OF	ILLA, AK			Simulator/Training Device (Make/Mod				
NAME OF CHECK AIRMAN SIG. OF	CHECK-AIRM	ΔN		FLIGHT TIME				
J. BAECHLER				0.7	N350S	Н		
FLIGHT MANEUVERS GRADE (S				- Satisfactory U - Unsatisfactory)				
PILOT						Air-	Simu-	Trng.
	Air-		Trng. Dev.			craft	lator	Dev.
PREFLIGHT	Crair	lator	Dev.	LEI ICA	OPTER			
1. Equipment Examination (Oral or Written)	5	T	T	1. Ground and/or Air Taxi	OFIER	5	T	
2. Preflight Inspection	5	-		2. Hovering Manuevers		5	ļ	
3. Taxiing	5	-		3. Normal and Crosswind T.O. & Landing	ne .	5		
4. Powerplant Checks	5	-		High Altitude Takeoffs & Landings	95	13	-	
TAKEOFFS			<u> </u>	5. Sim. Engine Failure		-		
5. Normal	1	1		6. Confined Areas, Slopes, & Pinnacles		5		
6. Instrument	- 1	 						-
7. Crosswind	-+7	-		7. Rapid Deceleration (Quick Stops)		5	-	
				B. Autorotations (Single Engine)	.1	5		
8. With Simulated Powerplant Failure		-		9. Hovering Autorotations (Single Engine	•)	5		
9. Rejected Takeoff INFLIGHT MANEUVE	70			10. Tall Rotor Failures (Oral) S				<u> </u>
	X3	1		11. Settling With Power (Oral or Flight) SEAPLANE OPERATIONS				
10. Steep Turns	-4	-			PERATIONS	T	7	r
11. Approaches to Stalls	+	 		1. Taxiing, Salling, Docking		7		
12. Specific Flight Characteristics		_	ļ	P. Step Taxi & Turns				
13. Powerplant Failure				3. Glassy/Rough Water T.O. & Landings				
LANDINGS		a —		4. Normal Takeoff & Landings				
14. Normal	-1		· .	5. Crosswind T.O. & Landings		Market Control	L	
15. From an ILS		-		ОТН	IER	_	1	
16. Crosswind			ļ	5. Ski Plane Ops. (when applicable)				L
17. With Simulated Powerplant(s) Failure		-		GENE	RAL	T .		
18. Rejected Landing		-	-	7. Judgment		5		<u> </u>
19. From Circling Approach				B. Crew Coordination		5		
EMERGENCIES		т	1	AIRMAN COMPETENCY INFORMATION:				
20. Normal and Abnormal Procedures	<u>S</u>	-	<u> </u>					
21. Emergency Procedures	5		L	Demonstrated Current Knowledge FAR 135.293(a)				
INSTRUMENT PROCEDU	JRES	-	т	Make/Model Expires 46350	(12 months) (02)	202	<u> </u>
22. Area Departure	-	<u> </u>		Demonstrated Competency FAR 135.293(. ,			
23. Holding		ļ		Make/Model Expires A5350	(12 months) (1	22)	202	
24. Area Arrival		-		Satisfactorily Demonstrated Line Checks				
25. ILS Approaches				FAR 135.299	(12 months) (DZ)	202	<u>J</u>
26. Other Instrument Approaches				Satisfactorily Demonstrated IFR Proficience	су			
Approaches: NDB/ADF				FAR 135.297	(6 months) ()		
VOR				Use of Autopilot (is) (is not) Authorized.				
ILS				Expires	(12 months) (
Other (Specify) whysual A	r 5			REMARKS ASS 50BA/B3 D	DIFFTING C	DWOL	ei E	•
27. Circling Approaches	· /			_			-,-	
28. Missed Approaches				BASE MONTH IS FEB	eurzy			
29. Comm. / Nav. Procedures]				
30. Use of Auto Pilot								
	Approved Disapproved			CHECK AIRMAN'S PERFORMANCE (FAA Only)		atifacto nsatisf		,
REGION	DISTRICT	OFFICE	Ē	FAA INSPE	ECTOR's SIGNATU	JRE		
ALASKA			- b.			_		

						DATE OF 011501			
AIRMAN COMPETENCY/PROFICIENCY CHECK				LOCATION DATE OF CHECK					
FAR 135			PAWS 2-8-2019						
NAME OF AIRMAN (last, first, midd	lle initial)				TYPE OF CHECK				
RUSSELL, ZACHA	RY L				FAR 135,293 FAR 135,29	7 🗆 FAR	135.2	99 🛢	1
	MMERCIA				MEDICAL INFORMATION: Date	of Exam. 3/19/	2018	<u> </u>	
CERTIFICATION	IXI-VEL CITE				Date of Birth	•			
TAPONMATION:	DACEDAT	/O'the Charles				Class			
EMPLOYED BY	BASED AT				TYPE AIRPLANE (Make/Model) A5	350		· .	
SOLOY HELICOPTER					Simulator/Training Device (Make/Model	"			
NAME OF CHECK AIRMAN	SIG. OF CH	EGK AIRMA	N		FLIGHT TIME				
JOHN BAECHLER					O . B	NILOSH	!		
	FLIGHT	MANEUVE	RS GR	ADE (S	- Satisfactory U-Unsatisfactory)				
	ILOT		,				Air.	Simu-	Trng.
			Simu-	Trng.			craft	lator	
		craft	lator	Dev.				L	L
PRE	FLIGHT				HELIC	OPTER			
1. Equipment Examination (Oral of	r written)	5			1. Ground and/or Air Taxi		5		
2. Preflight Inspection		5			2. Hovering Manuevers		5		
3. Taxiing		3			3. Normal & Crosswind T.O. & Landin	ngs	5		
4. Powerplant Checks		5			4. High Altitude Takeoffs & Landings				
TA	KEOFF\$				5. Sim. Engine Failure		5		
5. Normal			1	<u>.</u>	6. Confined Areas, Slopes, & Pinnacle	s .	5		
6. Instrument			ļ		7. Rapid Deceleration (Quick Stops)		5		
7. Crosswind			ļ		8. Autorotations (Single Engine)		5		
8. With Simulated Powerplant Fail	ure				9. Hovering Autorotations (Single Eng	ine)	5		
9. Rejected Takeoff				L	10. Tail Rotor Failures (Oral)		5		
	MANEUVERS		*		11. Settling With Power (Oral or Flight	~~~	5		
10. Steep Turns		-17	ļ		SEAPLANE O	PERATIONS			
11. Approaches to Stalls			ļ	<u> </u>	1. Taxiing, Sailing, Docking		4		
12. Specific Flight Characteristics				ļ	2. Step Taxi & Turns		Н-		
13. Powerplant Failure	101100		<u></u>	L	3. Glassy/Rough Water T.O./Landings				
	NDINGS				4. Normal Takeoff & Landings		\vdash	╃	
14. Normal		-14	 		5. Crosswind T.O. & Landings		<u> </u>	L	
15. From an ILS			-			HER	1	1	т
16. Crosswind			-	 	6. Ski Plane Ops. (when applicable)			L	
17. With Simulated Powerplant(s) F	allure			├	7. Judgment	ERAL	Te		
19. From Circling Approach		$-\Box$	┼──	 	8. Crew Coordination		1->	 	┼
	RGENCIES		I	<u> </u>	a. Crew Coordination		5	<u> </u>	<u> </u>
20. Normal and Abnormal Procedu		5	1		AIRMAN COMPETENCY INFORMATION:				
21. Emergency Procedures	145	- -	-	\vdash	Demonstrated Current Knowledge FA	2 12E 202(a)			
	NT PROCEDURE			L	Make/Model Expires A 5356	(12 months	1 / 22	100	201
22, Area Departure	TT THOOLDON		1	T	Demonstrated Competency FAR 135.2		3) 102	-/20	201
23. Holding			 	<u> </u>	Make/Model Expires @5350	(12 months) (p:	1/20	20)
24, Area Arrival			1	\vdash	Satisfactorily Demonstrated Line Check			-/	20-
25. ILS Approaches			 	1	FAR 135,299 Expires	(12 months	1 (0	2/20	10.50
26. Other Instrument Approaches			_	 	Satisfactorily Demonstrated IFR Profic				
Approaches: NDB/ADF			1		FAR 135.297 Expires	(6 months) (a)
VOR			 	†	Use of Autopilot (is) (is not) Authorize				
ILS			1	1	Expires	(12 months	s) ()
Other (Specify)	UNUSUA: ATT	7 5	T	1	REMARKS BA, B3 DIFF TN	6 65.40.			
27, Circling Approaches			1	1	1		1		
28. Missed Approaches				1	BASE MONTH IS FEBRU	7			
29. Comm./Nav. Procedures			1		1				
30. Use of Auto, Pilot			†	1	1				
RESULT OF	■ Appro	ved	•		CHECK AIRMAN'S	☐ Satisf	factory		
CHECK	☐ Disapp				PERFORMANCE (FAA Only)	☐ Unsa		ry	
REGION		DISTRICT	OFFIC	E	FAA INSP	ECTOR's SIGNAT	URE		
7							-		
ALPSKA		1 4	L-0	3	!				

Soloy Helicopters Pilot Information Form

This form to be filled out annually. Helicopter times should be indicated to one decimal place.

	Name: Zachary Russell			e Engine pter Hours	Multi Engine Helicopter Hours	Specialty Flying Hours	
					1.8.0	BK117/EC145:	Heli-Ski - Light/Inter:
	City:			AS350: 142	7.6 W	AS355:	Heli-Ski - Medium:
	Anchorage			B204/205:		B212:	IFR:
	State	Zip Code:		B206:		B412:	Offshore;
	Country:	Hire Date:		R44: 5	38.4 mr	B214:	Instruction Given:
	USA	02/02/2	2019	E.C 13	0; 683 W		Logging:
	Main Phone:	Birth Date:		(List a	Other Fly	ing Hours ers and specialty flying)	Long-Line:
	Other Contact Number:	U.S. Pilot Licence	Number:	B25:	550,4		Mountain Flying:
				,			Night: 116.8 hr
	Cell Phone:	Other Pilot Licence	e Numbers:		·	eri e e	Seismic - Light/Inter:
		Other Licence (spe	ecify):				Seismic - Medium:
المتعلقة	TO 100 TO	The second secon	entre de la companya del companya de la companya del companya de la companya de l	-			-Geophysical Survey:
	Email Address:						Alaska Time:
	Citizenship:		,	SE Helica	opter PIC:	ME Helicopter PIC:	Fixed-wing Hours:
	Passport Number:	Passport Expiry D	ate:	11	opter Total Hrs:	ME Helicopter Total Hrs;	Total Helicopter Hours:
	Courses Taker (Indicate agency that conducted		Course Da	te (Ir		ses Taken hat conducted the course	Course Date
	Cockpit Resource Management (CRM):			Моц	untain Flying:		
	First Aid, CPR:		1-27-20		t Decision Making	(PDM):	
	H.U.E.T.:			CFI	T:		
	I hereby certify this information is co	rect to the best of	my knowledge				
	Signature		•			Date /-26-	2021

Yes V N	0
Yes, provide details below. If rep	ported on prior year's form write "As previously reported".
	eraft accident(s) that caused damage to an aircraft while acting as a pilot?
res, provide details below. If repeters, provide details below. If repeters and the second se	ported on prior year's form write "As previously reported".
Yes, provide details below. If repairs and its second seco	
Yes, provide details below. If repairs and its second seco	ported on prior year's form write "As previously reported".

Zachary L. Russell

Anchorage, Alaska, 99507

Helicopter Qualifications

- o FAA Commercial Pilot, Instrument Rating
- o CFI, CFII with Gold Seal
- Current First Class Medical
- 1200 plus hours in Airbus products AS350 B2/B3E and EC130T2/B4
- One season in South East Alaska

Helicopter hours

0	Total	2377
0	PIC	2320
0	Turbine	1288
0	Dual Given	830
0	Night PIC	113
0	XC	1084
0	Simulated Instrument	59
0	Alaska and Canada	265
0	+5000' DA	786
0	AS 350B2/B3E	598/6
0	EC130T2/B4	683
0	Robinson R22/R44	554/534

Experience

- 135 North Star Helicopters AS 350B2 and B3E
 - Tours, Charters, Film, Sled dog and camp transport, Mx flights
- o 135 Sundance Helicopters AS 350B2 VEMD/Steam Gauge and EC130T2/B4
 - Tours, Charters, Up and Down Pilot AS 350B2, Mx flights
- Helicopter ferry flight from Anchorage, AK to Bend, OR in R44
- CFI/CFII, Check Instructor 141 with Leading Edge Aviation
- Cherry Drying in R44

Education

- Southern Oregon University-
 - Bachelors of Science in Criminology / Criminal Justice
- Leading Edge Aviation-
 - Private Pilot, Commercial, Instrument, CFI, CFII

Professional Experience

- o Line Pilot North Star Helicopters 135 Juneau, Alaska
- Line Pilot Sundance Helicopters 135 Las Vegas, Nevada
- CFI/CFII and Stage Check Instructor at Leading Edge Aviation Bend, Oregon

References

- Mike Bury Chief Pilot North Star Helicopters -
- Jason Kulbeth Director of Operations North Star Helicopters -
- o Kyle Mosley Pilot Columbia Helicopters -
- John Sopher Pilot PHI -
- Bill Orvis Chief Pilot Sundance Helicopters -



U.S. Department of Transportation Aviation Data Systems Branch, AFS-620(PRIA) P.O. Box 25082 Oklahoma City, OK 73125-0082

or transportation Federal Aviation Administration

KELLY LANTZ SOLOY HELICOPTERS LLC 3300 W AVIATINON AVE SOLOYSCANS@MTAONLINE.NET WASILLA, AK 99687

Control Number: 370764

This is in response to your request of May 2, 2019, under Section 502 of the Pilot Records Improvement Act of 1996, (Public Law 104-264), pertaining to the medical certificate, current airman certificates and associated type ratings, including any limitations to those certificates and ratings; and summaries of legal enforcement actions resulting in a finding of a violation involving ZACHARY LAIRD RUSSELL, which may include violations on current and previous certificate number(s):

Your request was received on July 24, 2019.

RUSSELL, ZACHARY LAIRD

Med Class: 1

Med Date: 3/19/2019

Limitation(s)

None

COMMERCIAL PILOT

Cert No:

DOI: 11/11/2013

ROTORCRAFT-HELICOPTER

INSTRUMENT HELICOPTER

LIMITATIONS

ENGLISH PROFICIENT.

FLIGHT INSTRUCTOR

Cert No:

DOI: 4/21/2018

ROTORCRAFT-HELICOPTER INSTRUMENT HELICOPTER

LIMITATIONS

VALID ONLY WHEN ACCOMPANIED BY PILOT CERTIFICATE NO.

EXPIRES: 30 Apr 2020.

GROUND INSTRUCTOR INSTRUMENT

Cert No:

DOI: 4/26/2016

A search of the Enforcement Information System, which excluded the Student Pilot Certificate, on July 25, 2019, revealed no legal enforcement actions resulting in a finding of a violation pertaining to the above airman.

The preceding data was derived from official FAA data systems utilized by AFS-620. Pending legal actions which are not releasable until the case is closed will not appear on this report. Accident/Incident information will also not appear on this report.

Recent additions to an airman's certificate that were issued within 6 to 8 weeks or less preceding the date of this report may not have been processed by the Civil Aviation Registry and consequently, would not appear on the enclosed airman's verification of certificates and/or ratings.

All requests in accordance with the Pilot Records Improvement Act of 1996 may be faxed to: 405-954-4655 ATTN: PRIA; or if scanning is available to include signatures, they may be emailed to: 9-amc-afs620-pria@faa.gov or mailed to the Aviation Data Systems Branch, AFS-620, ATTN: PRIA, PO Box 25082, Oklahoma City, OK 73125.

Additional information including all forms, regulatory and support material may be found at: http://www.faa.gov/pilots/lic_cert/pria/

Additional FAA records may be available as referenced in Advisory Circular AC 120-68 (current edition), paragraph 1-7 and Appendix 9: Additional Pilot Records. Appendix 9 identifies the additional records that may be available to an air carrier or operator and the procedure to request those records. Such records may include an airman's history of accidents, incidents, and enforcement history including open enforcement actions, administrative records, and records of failed practical tests (Notices of Disapproval) if an airman's file contains such records.

In our continuing effort to improve the quality of service to our customers, we would appreciate any comments you may have. Please send your comments to: http://av-info.faa.gov/feedback/ or contact the AFS-620 Reporting Group at: 405-954-4173. A phone menu will direct your call.

Sincerely,

Bryan W. Brown Manager, Aviation Data Systems Branch AFS-620

AIRMAN	ZACHARY	Russ	ELL

CERTIFICATE AND SUMMARY OF CFIT-A TRAINING

AIRMAN GENERAL SUBJECTS TRAINING – NON-AIRCRAFT SPECIFIC	■ Initial / Basic Indoc. □ Recurrent □ Requalification	■ Recurrent □ Requalification	■ Recurrent □ Requalification
Company CFIT-A Policies & Procedures	Inst'r:	Inst'r: RWS	Inst'r: RWb
CFIT Accident Review	Inst'r:	Inst'r: RWb	Inst'r: RU6
Flat-Light	Inst'r:	Inst'r: RW6	Instr. RUB
White-Out	Inst'r:	Inst'r: RW6	Inst'r: RU6
Deteriorating Visibility	Inst'r:	Inst'r: RW6	Inst'r: RUB
Inadvertent IMC	Inst'r:	Inst'r: RUG	Instr. RUb
Estimating In-flight Visibility	Inst'r:	Inst'r: RV16	Instr. RUB
Advanced Aircraft Systems	Instr	Inst'r RW6	Instr RU6
Training Completion Date & Results	Date: 2 - 6 - 2 5 1 9 ■Sat □Unsat	Date: /~2!~2020 ■Sat □Unsat	Date: 【- み - えのる 聞Sat □Unsat
Instructor or Chief Pilot Certification Signature			
Airman Signature			
	Pilot: N/A	Pilot:	Pilot:
CFIT-A Observation Flight	Instr: N/A	Inst'r:	Inst'r:
	Date: N/A □Sat '□Unsat	Date:	Date:

CFIT-A EXAM

(1)

NAME: Zachary Russell

DATE: 02-06-2019

SCORE: CORR TO 100%

SUPERVISED & MARKED BY:__



CONTROLLED FLIGHT INTO TERRAIN AVOIDANCE

Written Examination Choose the best answer

- 1. Flat light conditions are usually accompanied by:
 - a. Late afternoon sunshine low on the horizon making the light "flat"
 - (b.) Overcast skies inhibiting any good visual cues
 - c. Wearing polarized sunglasses when the sun is flat on the horizon
 - d. None of the above.
- 2. Whiteout occurs when a pilot becomes engulfed in a uniformly white glow choose the correct from below:
 - a. A whiteout situation is extremely dangerous because there are no visual references.
 - b. Flying is not recommended in any whiteout condition.
 - c. Flat light conditions can rapidly lead to whiteout, and both atmospheric conditions can sneak up on you as your visual references slowly begin to disappear.
 - d. Whiteout has been the leading cause of most aviation accidents in snow-covered areas.
 - (e) All of the above.
- 3. Autokinesis is a visual illusion that primarily occurs at night when ambient visual cues are minimal and a small, dim light is seen against a dark background. It can be argued that flying in areas of flat light using a single area of contrast (a bush as an example) can lead to the same effects as the autokinetic effect. To overcome the adverse effects of the autokinetic effect increase the number of objects used to maintain orientation
 - a True
 - b. False
- 4. Prevention techniques. There are no fail-safe procedures for flying in flat-light/whiteout conditions. However, the following tips can be used to aid in recognition and avoidance.
 - a. Check all available weather sources.
 - b. Set personal weather minimums and stick to them.
 - c. When conducting an approach to landing, do not lose sight of your reference point(s).
 - d. Plan your approach so that your reference point is on your side of the aircraft when landing.
 - All of the above
 - f. a b and c

- 5. Flight techniques. The following techniques should be observed in an effort to assist the flight crew or pilot in maintaining spatial orientation.
 - a. Never takeoff in a full white-out situation
 - b. When flying into snow showers. SLOW DOWN!
 - c. When flying along lakeshores, use them as reference points. If you must cross a lake, check your flight instruments frequently and maintain a safe altitude while maintaining reference points.
 - d. When weather conditions start to deteriorate, don't push yourself until you are out of options.
 - (e.) All of the above
- 6. When landing in low light conditions, use extreme caution. During the approach, look for intermediate reference points, and continually update reference points during the approach until completion of the landing. Additionally:
 - a. A hover down landing may be the most appropriate in blowing snow conditions.
 - b. Use whatever means you must to create the contrast you need.
 - c. If needed drop a single dark object for reference out on a large open white expanse.
 - d? a and b
 - e. All of the above.
- 7. In the absence of natural references (rocks, bushes, snow ridges, etc.) use the following items to provide contrast and references: Artificial markers, such as orange panels, surveyors tape, weighted flags, tree branches.



False

- 8. Ceilings. If you start losing slant visibility, this means you are:
 - (a) Entering the cloud
 - b. You probably have your eyes closed.
- 9. Loss of visual references. When conditions reach the point that the pilot or aircrew has bypassed the point of no return the following actions need to be completed immediately:
 - a. Trust the cockpit instruments if equipped. Verify that the entire crew has lost reference points/contrast if dual pilot. The non-flying pilot may still have a reference point even though the pilot flying does not.
 - b. Execute a 180-degree turn-around and start looking for outside references.
 - c. Above all fly the aircraft!!
 - (d.) All of the Above

10. There are many factors that come into play when dealing with flat light and white out conditions. A pilot's instinctual responses must be immediate based on a well thought out plan.

True

False

- 11. It is possible to takeoff and fly safely in flat light conditions provided:
 - (a) You plan well, are trained, and show good judgement.
 - b. You plan on using good judgment, specific training is not feasible.
 - c. You plan to do the best you can and get training afterward.
 - d. You listen to your instincts and fly accordingly.
- 12. Takeoff in snow covered terrain should be:
 - (a.) A maximum performance vertical takeoff.
 - b. A running take off.
 - c. A takeoff from a standard hover height.
 - d. None of the answers are correct.
- 13. How does the workload of the pilot increase during flight in flat light conditions?
 - a. Increasing instrument scan and relying more on the instruments.
 - b. Looking for and avoiding other traffic in limited visibility.
 - c. Navigating by more limited means.
 - (d) All of the above.
- 14. Departure in flat light conditions is possible, however;
 - a. A takeoff in flat light conditions may result in your inability to return to your original point of departure.
 - b. A takeoff in whiteout conditions should never be attempted.
 - c. Flight in whiteout conditions is not recommended
 - (d) All of the above.
- 15. Fill in the blanks: **Never fly past your Visual Points of reference or minimum Safe. Knownaltitude.

AIRMAN Zachary Russell

CERTIFICATE AND SUMMARY OF

NON-AIRCRAFT SUBJECT TRAINING

AIRMAN GENERAL SUBJECTS TRAINING – NON-AIRCRAFT SPECIFIC	☐ Initial / Basic Indoc. ■ Recurrent ☐ Requalification	■ Recurrent □ Requalification	☐ Recurrent ☐ Requalification
Co. Ops Specs, Ops Manual & Co. Policies	Inst'r:	Inst'r:	Inst'r:
Federal Aviation Regulations	Inst'r:	Inst'r:	Inst'r:
Meteorology	Inst'r:	Inst'r:	Inst'r:
Airports, Airspace, ATC & Navigation	Inst'r:	Inst'r:	Inst'r:
Hazmat Acceptance and Transportation	Inst'r:	Inst'r:	Inst'r:
Emergency Situation Procedures	Inst'r:	Inst'r:	Inst'r:
Fire Extinguisher Drill	Instr: A/A	Instr. NIA	Inst'r:
CRM /CFIT	Inst'r:	Inst'r:	Inst'r:
Training Completion Date & Results	Date: / つよしつ ひろう 回り Sat 回 Unsat	Date:	Date: □Sat □Unsat
Airman Signature			
Instructor or Chief Pilot Certification Signature		-	
Base Month	Febuary	Febuary	

AIRMAN ZACHARY RUSSELL

CERTIFICATE AND SUMMARY OF

NON-AIRCRAFT SUBJECT TRAINING

AIRMAN GENERAL SUBJECTS TRAINING – NON-AIRCRAFT SPECIFIC	■ Initial / Basic Indoc. □ Recurrent □ Requalification	Recurrent Requalification	☐ Recurrent☐ Requalification
Co. Ops Specs, Ops Manual & Co. Policies	Inst'r:	Instr:	inst'r:
Federal Aviation Regulations	Inst'r:	Instr:	Inst'r:
Meteorology	Inst'r:	Inst'r:	Inst'r:
Airports, Airspace, ATC & Navigation	Inst'r:	Inst'r:	Inst'r:
Hazmat Acceptance and Transportation	Inst'r:	Inst'r:	Inst'r:
Emergency Situation Procedures	Inst'r:	Inst'r:	Inst'r:
Fire Extinguisher Drill	Inst'r: N/A	Instir: N/A	Inst'r:
Training Completion Date & Results	Date: <u>2 - 4 - 2⊅≀</u> 9 ■Sat □Unsat	Date: /~ 2/-2020	Date: □Sat □Unsat
Airman Signature			
Instructor or Chief Pilot Certification Signature			
Base Month	7 eb	Feb	

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CERTIFICATE AND SUMMARY OF

AIRCRAFT TRAINING

AIRCRAFT TYPE & CONFIGURATION	M.D.500

	T		
AIRCRAFT-SPECIFIC TRAINING	Initial □ Transition □ Recurrent □ Requalification	☐ Recurrent ☐ Requalification	☐ Recurrent ☐ Requalification
Aircraft Systems and Procedures – Ground	Inst'r:	Inst'r:	Inst'r:
Evacuation Drill – Ground	Instr.	Inst'r:	Inst'r:
Seat Removal and Installation Drill – Ground	Instr.	Inst'r:	Inst'r:
Normal Operations – Flight	Inst'r:	Inst'r:	Inst'r:
Abnormal & Emerg. Procedures – Flight	Inst'r:	Inst'r:	Inst'r:
Training Completion Date & Results	Date: -20-2019 □Sat □Unsat	Date: □Sat □Unsat	Date: □Sat □Unsat
Airman Signature			
Instructor or Chief Pilot Certification Signature			
Base Month	Jan		

AIRMAN ZACHARY RUSSELL

CERTIFICATE AND SUMMARY OF

AIRCRAFT TRAINING

AIRCRAFT TYPE & CONFIGURATION A5350

AIRCRAFT-SPECIFIC TRAINING	■ Initial □ Transition □ Recurrent □ Requalification	Recurrent □ Requalification	■ Recurrent □ Requalification
Aircraft Systems and Procedures – Ground	Inst'r:	Instr:	Inst'r:
Evacuation Drill – Ground	Inst'r: N/A	Inst'r: N/A	Inst'r: N/A
Seat Removal and Installation Drill – Ground	Instr: N/A	Instr: NA	Inst'r:
Normal Operations – Flight	Inst'r:	Instr:	Instr. Pro
Abnormal & Emerg. Procedures – Flight	Instr:	Instr:	Instr.
Training Completion Date & Results	Date: 2/7/2614 ■Sat □Unsat		Date: [-2 -308] ■Sat □Unsat
Airman Signature			
Instructor or Chief Pilot Certification Signature			V
Base Month	FEB	Feb	Feb

HELICOPTER FLIGHT TRAINING LOG

Flt	Date	Instructor		Hours			Comments				
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2	1-21-2020	BAECHLER		0.	. >	12	INNACLE LANDINGS, SLOPES, GUIDE	-100-		, ,,,,,	
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3											
4									*******		
	Enter "S" or "l Prefi		fligh			on 4	column for each item trained during the s INFLIGHT MANEUVERS	essio	on 2	3	4
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	ght Preparation al Inspection & Wa	lkaround	<u>5</u>		\vdash		Autorotations				_
		ikarounu	5				Hovering Autorotations		-		
ueli	o Loading & Checl		5				Tail Rotor Failures				
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	nd and/or Hover T		5								_
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	e Takeoffs	<u> </u>	5	<u> </u>			Fuel & Oil System	/			Γ
		formance Takeoffs	5				Electrical System				
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	APPR	ROACH AND LANDING		1	1L		Pitot Static System	1/	-		
Desc	ent, Pattern & Che	ecklist Procedures	5					7			Γ
	nal Approaches & l		5				ABNORMAL & EMERGENCY PROCEDI	JRES	•		
Confi	ned Area/Pinnacle A	pproaches & Landings	S				Rejected Takeoff				
Slope	e Landings		S				Rejected Landing	1			Г
	<u> </u>						Demonstrated Instrument Approach				
	Par	KING					Recovery from Unusual Attitudes	/			Γ
Engi	ne shut down & Ch	necklist Use	5				Simulated Engine Failures				
	ring & Protection		5		П		Engine Fire				
							Cabin Fire & Smoke Control				
							Inadvertent IMC Procedures				
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	uctor Signature:						Date:				
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HELICOPTER FLIGHT TRAINING LOG

Airr	man Name:	ZAC PENSSELL					Aircraft Type & Config:	0			_
Flt	Date	Instructor		Н	ours	T	Comments				
1	11-21-2019	Grdeon		1.	0	- 1	ALC FAMILIANTY - CONFINED / f				
2	1/20/2020	G.KING		1-	8	1	IC FAMIL. SLEPES Q. STOP, ALTO'S OF HUR, HIN FLYING, PINNACLES, SNEW LABINGS CONFID WTO S, SLICK PEDALS, rooft LONG LINE	574 ED/	414 K G <i>REG</i>	й. 1. Ú	?o)
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	Pref	LIGHT	1		3	4	Inflight M aneuvers	1	2	3	
Prefl	ight Preparation		S	\$	5	5	Quick Stop/Rapid Deceleration	/	S		3
Visua	al Inspection & Wa	lkaround	3	S	S	2	Autorotations	/	S	5	S
Fueli	ng		5	S	ς	5	Hovering Autorotations	\vee	5		ζ
Carg	o Loading & Chec	ks	3	8	S	5	Tail Rotor Failures	/	S	S	٤
Pax	Checks and Briefir	ng				/	Settling with Power				5
Start	ing Procedure - C	hecklist Use	3	S	0	5			-		
Grou	ind and/or Hover T	axi	2		P	5					
Befo	re Takeoff Checkli	st ·	2	S	8	3		1			
	Tak	EOFF AND LANDING				•		П			Г
Norn	nal & Crosswind T.	O. & Landings	1.3	8	S	5	NORMAL & ABNORMAL SYSTEMS PROCE	DUR	ES		
High	Altitude Takeoffs	& Landings	1/	1		5	Heating, Ventilating & Defrosting	5	18		5
Slop	e Takeoffs		1/	8		5	Fuel & Oil System	I			/
Conf	ined Area/Max Pe	rformance Takeoffs	15	5			Electrical System	11			5
			1				Flight Controls & Rotor Systems	11			5
	Appl	ROACH AND LANDING					Pitot Static System	TT			
Desc	ent, Pattern & Che	ecklist Procedures	13	S	C	5		Τ		Г	Г
	nal Approaches &		3	Š	S	5	ABNORMAL & EMERGENCY PROCEDU	RES			_
——		approaches & Landings	5	S	1	3	Rejected Takeoff	1	Π		5
	e Landings		2	Š		کا		\parallel			Г
·			1	۲	\vdash		Demonstrated Instrument Approach	11			
	PAR	KING	1			\vdash	Recovery from Unusual Attitudes	11	Ι.	T	\vdash
Engi	ne shut down & Cl	hecklist Use	3	5	3	2	Simulated Engine Failures	11		T	5
<u> </u>	uring & Protection		15	18	Š		Engine Fire	\Box	\vdash	T	5
	annig or a resource.		+-	Ψ-	۲	۲	Cabin Fire & Smoke Control	11			5
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I cer	rtify satisfactory on petency/Proficient	completion of the Co ency and Line Check	mpa s i/a	ny /w	flig FAI	ht ti	I raining program and recommend this pilot 35.293 and 135.299.	for			
Inst	ructor Signature:	, , , ,				I	Date: /-21-2020				
Airn	nan Signature:						Date:				

* MORE GOOSLIKE TO PEDAL EMERGENCIES . + ALTO-ROTATIONS. GIK.

HELICOPTER FLIGHT TRAINING LOG

Flt	Date	Instructor		Но	urs		Comments	3.1	gri		
1						-1	INNACLE, SLOPE, WIN , CONFINE	ED AR	EP	op:	•
	2-6-19	BAECHLER		0.	7		BLOWING SNOW, FLAT LIGHT	· · ·		_	
2	2.7-2019	BAECHLER		L.	1	- 1	LIGHT, CONFINED AREAS MTN. \$				
	2.1.20(-)		_				EMERGENCIES, AUTOS, INA AUTOS, HYD				
3	2-7-2019	BAELHLER		۵	. 7		STACK PEDAL , SETTLING WI POWER	<u> </u>			
4	2.8.2019	BAZZHUEZ	E.	×	σ.	1	CADE/BELLY CLEARENCES,			೧ಕ	
	Enter "S" or "l	J" in the appropriate	fligh	t se	essi	on	column for each item trained during the	sessi	on		6
74.	Pref	LIGHT	1	2	3	4	INFLIGHT MANEUVERS	1	2	3	4
Prefl	ight Preparation			5	5	S	Quick Stop/Rapid Deceleration			S	1
Visu	al Inspection & Wa	lkaround	5	5	S	S	Autorotations		\angle	5	-
Fuel	ng		/	\angle	S	/	Hovering Autorotations	\perp		5	1
Carg	o Loading & Chec	ks		/	5	S	Tail Rotor Failures		\angle	5	-
Pax	Checks and Briefin	ng .	5	S	S	5	Settling with Power	1		S	
Star	ing Procedure – C	hecklist Use	5	5	5	S		44. L			
Grou	ind and/or Hover T	axi	5	5,	S	5			1.13		L
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	nal & Crosswind T.		5	5	S	5	NORMAL & ABNORMAL SYSTEMS PRO				÷
	Altitude Takeoffs	& Landings	1	/	/	12	Heating, Ventilating & Defrosting	S	_	3	Ļ
	e Takeoffs		5	5	3		Fuel & Oil System	S	5	2	L
Con	fined Area/Max Pe	rformance Takeoffs	5	5	5	5	Electrical System	S	S	s	Ŀ
					L	15	Flight Controls & Rotor Systems	5	S	2	Ļ
		ROACH AND LANDING					Pitot Static System	5	3	2	Ļ
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Con	ined Area/Pinnacle A	pproaches & Landings	5	5	-		Rejected Takeoff	- $/$	V,	2	ļ
Slop	e Landings		5	5	15	١٤	Rejected Landing	-/	/	\angle	1
20 T			1	3			Demonstrated Instrument Approach	-V	K,	\checkmark	ļ
	A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1	KING	\perp	<u> </u>	1 1 1 1	L	Recovery from Unusual Attitudes	-/	/	K	╁
-	ine shut down & C	hecklist Use	15	5	١٢	1 2	Simulated Engine Failures	-V	/	K	Ŧ
Sec	uring & Protection		5	5	5	14	Engine Fire	-	K	K	╁
		<u> 1</u>	-	-	╀	-	Cabin Fire & Smoke Control	-	\angle	K	¥
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					61:	1.44		1-4 6	1		_
Co	ntity satisfactory	completion of the Co ency and Line Check	mpa ks i/a	any a/w	FA	nt t R 1	raining program and recommend this pi 35.293 and 135.299.	HOL TOF			
Ins	ructor Signature						Date: 2 - 8 - 2				



AIRMAN ZACHARY RUSSELL

CERTIFICATE AND SUMMARY OF

EXTERNAL LOAD SUBJECT TRAINING

AIRMAN GENERAL SUBJECTS TRAINING – NON-AIRCRAFT SPECIFIC	■ Initial / Basic Indoc. □ Recurrent □ Requalification	■ Recurrent □ Requalification	B Recurrent ☐ Requalification
Company Manuals, Op's Specs, SOP's	Instir:	Inst'r:	Inst'r:
Equipment Overview	Inst'r:	Instr:	Inst'r:
FAR'S - 133 & 137	Inst'r:	Instr:	Instir.
Operating Limitations and Performance	Inst'r:	Inst'r:	Inst'r:
Normal & Emergency Procedures	Inst'r:	Inst'r:	Inst'r:
Hazmat Acceptance and Transportation	Inst'r:	Instr: At-	Inst'r.
Crew Management, Safety, and Risk Mitigation	Inst'r:	Inst'r:	Inst'r:
Specialized Ops: Rigging, Seismic, Drill, Survey, Power-line	Instr.	Instr:	Instr: 16
Training Completion Date & Results	Date: 2 - II - 2.01 <i>G</i> ■Sat □Unsat	Date: /- 21- 2020 ■Sat □Unsat	Date:
Airman Signature			
Instructor or Chief Pilot Certification Signature			
Base Month	F ∈B	Feb	Feb



EXTERNAL LOAD HELICOPTER FLIGHT TRAINING LOG

Airman Name: ZACHARY RUSSEZ Make and Model: AS355

Flt	Date	Instructor		Н	ours	T	Comments					
\vdash		NIBOSH					UD' VELL OPS, CONFINED, SWING CON	TRI	۰.	,		
1	2-15-19	BAECHLER		١,	5		PLADE CONTROL, APPROACH PATHS, SET- DOWNS					
2		N470BE				- 1	00' VRLL OPS, SWING CONTROL, PRODUCT	NG CONTROL, PRODUCTION TURN			35	
	4-17-19	BAECHLER		1.	2		SET POWNS OD' VELL OPS, SMING CONTROL, STEEPIS	LA.				
3	4	NS67NA		١,	7							
	4-18-19	BAECHLER N35054		1.	1	1	PPROACHES, WAND ING W/ LINE, PRECISION DD' REMOTE HOOK OPS, SNING & LOGO CONTROL	RE	MPT	E		
4	6-5-19	BAECHLER		١.	7		HOOK OPS, RELEASING THE LOAD, PRECISION PLACES					
			fliah	nt se	ess		column for each item trained during the se			and a seed on the		
		LIGHT	1	2	3	4	INFLIGHT MANEUVERS	1	2	3	4	
Prefi	ight Preparation	1	5	5	5	-	Quick Stop/Rapid Deceleration	$\overline{\mathcal{F}}$	5	/	7	
	al Inspection & Wa	lk-around	5	5	_		Flight at Operational Airspeeds	5	5	_	S	
_		g, Rigging, Attaching	5	5	s		Controlling Oscillation	5	5	5	5	
	ormance Calculation		5	5	_		Determining Safe V _{NE} Speeds	tź	5	Ź	7	
_	ind Crew Checks		5	5	5		Settling with Power Avoidance and Recovery	۲			5	
	the state of the s		5	5		-		\vdash			-	
	ing Procedure – C rcraft-load combin		5	s	5	S		+	\vdash		-	
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		EOFF AND LANDING	T 4			_5	NORMAL & ABNORMAL SYSTEMS PROCE	DUD.			· _	
	nal & Crosswind T		5	S	S	_		-1	ES	-	-	
	tional Control whi		-	-	-	5		S	5	13	5	
	leration from a Ho		5	5	5		Remote Hook Operation and Malfunctions	4	۲,	۲,	13	
		rformance Takeoffs	5	5	3		Water Bucket Operation and Malfunctions	K	/	/	Κ,	
Pow		High Gross Weights	1	Z,		/	Other External Load:	۲,			1	
		ROACH AND LANDING					Winch Operation (if applicable)	1	K		\vdash	
	rnal Load Approac		15	5	5	٤	the complete distance of the contract of the c	1	<u></u>	<u> </u>	L	
		High Gross Weights	1	K	/	K	ABNORMAL & EMERGENCY PROCEDU	RES	-	_	1 -	
	 	pproaches & Landings	5	K,	S		Rejected Takeoff / Pick-up	5	3	/	13	
1	euvering for releas		5	\leq	S	_	Rejected Landing / Go Around	S	S	5	Z	
Lanc	ling with/without lir	ne attached	5	5	5	5	Inadvertent Load Release	\swarrow	u		5	
		KING					LTE – High Gross Weights	\vee	\angle	Married Marrie	\angle	
Engi	ne shut down & Cl	necklist Use	5	5	5	5					N	
Secu	ring & Protection		5	s	5	5		1			L	
Rigg	ing/Long-line stora	age	S	5	5	6				-		
		1 1 1 1 1 1 1										
	tify satisfactory o FAR 133.23 an		npa	ny	Par	t 1	33 flight training program and satisfactory	perf	orn	nan	се	
Inst	uctor Signature						Date: 6-5-19					
Airm	nan Signature:						Date: 6-5-19					



EXTERNAL LOAD HELICOPTER FLIGHT TRAINING LOG

Fit Date Instructor Hours Comments 1 1-20-20 King 0.3 BASK MANDEUVERS WITH EMETY A 2 1-24-20 Self Gideon 1.2 100ft Longhine practive 3				
1 1-20-20 King 0.3 100ft Interpretion To Hoo. 2 1-24-20 Self/Gideon 1.2 100ft Longhine practive 3				
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Enter "S" or "U" in the appropriate flight session column for each item trained during		on		
PREFLIGHT 1 2 3 4 INFLIGHT MANEUVERS	1	2	3	4
Preflight Preparation / 4 Quick Stop/Rapid Deceleration		1		
Visual Inspection & Walk-around Flight at Operational Airspeeds	5	3		-
External Cargo Loading, Rigging, Attaching Controlling Oscillation	1	15		
Performance Calculations Determining Safe V _{NE} Speeds		Γ		
Ground Crew Checks and Briefing Settling with Power Avoidance and Reco	overy			
Starting Procedure – Checklist Use		T		
Rotorcraft-load combinations/limitations				
Before Takeoff Checklist				
TAKEOFF AND LANDING				
Normal & Crosswind T.O. & Landings $S \subseteq S$ Normal & Abnormal Systems	PROCEDUF	RES		
Directional Control while Hovering Cargo Hook Operation and Malfunctions	3 4	<u>r</u>		
Acceleration from a Hover Semonte Hook Operation and Malfunction	ns			
Confined Area/Max Performance Takeoffs \$\int \ \bigs \bigs	ns			
Power Management – High Gross Weights / Other External Load:				
APPROACH AND LANDING Winch Operation (if applicable)				
External Load Approaches C HEC Operation – Class B	J	_		
Power Management – High Gross Weights T ABNORMAL & EMERGENCY PR	OCEDURES			
Confined Area/Pinnacle Approaches & Landings Rejected Takeoff / Pick-up	1			
Maneuvering for releasing load			-	
Landing with/without line attached \(\sum \subseteq \si				
PARKING LTE – High Gross Weights		L		L
Engine shut down & Checklist Use SHEC Emergencies				
Securing & Protection 5				
Rigging/Long-line storage		_	_	_
I certify satisfactory completion of the Company Part 133 flight training program and satisfa i/a/w FAR 133.23 and 137.19.	ctory per	fori	nan	ce
Instructor Signature: Date: /- 2 4- 2	0			-
Airman Signature: Date: 1-24-20				

THIS CERTIFICATE IS AWARDED TO

Zachary Russell

FOR SUCCESSFUL COMPLETION OF

Crew Resource Management - Initial

February 6, 2019



Medallion Foundation

Changing the Culture of Aviation Safety



Gerard Rock Executive Director

BASIC INDOCTRINATION FINAL EXAM (1)

NAME: Zachary Russell

DATE: 62-06-2019

SCORE: Core to looy.

SUPERVISED & MARKED BY:

1.	Responsibility for the aircraft being properly loaded and secured remains with the
	a) Person actually loading the aircraft.
	D PIC.
	c) Director of Operations.
	d) Person delegated by Director of Operations.
2.	In computing W & B, pax weights used will be?
	a) PIC estimated weights.
	Actual weights determined by asking or weighing.
	c) Actual weights, determined by weighing only.
	d) N/A as OPS Manual never requires W & B calculations to be carried out.
3.	In the event of a Company Aircraft Emergency, the primary "Emergency Contact Checklist" used
	by Soloy Helicopter employees may be found in
	a) Alaska Supplement.
	b) NTSB 830
	c) Aircraft Flight Manual
	Company Operations Manual
4.	According to Soloy Helicopters Operations Manual, MD500 may be hot refueled
,	With pax aboard only if PIC at controls.
	b) With PIC at controls when not grounded
	By PIC, with throttle at Ground Idle, controls frictioned and T/R pedals locked neutral.
	d) Only while wearing nylon clothing.
5.	A flight plan filed with the company or camp manager must at least contain
	a) Only possible routes and likely ETA.
	b) Items PIC deems necessary for flight following jargon.
	c) Items requested by Flight Follower.
	Required items on FAA Flight Plan and other information deemed essential to safety.
6.	Emergency equipment including fire extinguishers, ELT, and floats must be deemed airworthy
	by
	(a) PIC preflight.
	b) A & P / IA at 100 hr./Annual Inspection
	c) Director of Maintenance only
	d) (a) and (b)
USE	IE ALASKA SUPPLEMENT AND.OR THE ANCHORAGE SECTIONAL
7.	What type of Airspace is in effect at King Salmon at 19:30 local?
7.	
8.	What are the helicopter VFR, Day cloud clearance and visibility requirements in Class E Airspace at 6500 ft. MSL?
	3 SM V:5 1000Ft Above 500Ft below 2000Ft Horizontal
•	
9.	What Class of airspace would you be in when flying at 11,500 MSL located at N60.45.00 and W145. 00.00?
	E.G.
10.	What are the special VFR requirements for a helicopter Part 135 day flight approaching an airport
-	in Class E airspace?
	ATC Clearance, clear of clauds 235m 1000'

11.	A second class medical certificate issued to a commercial pilot on April 10 th this year, permits the pilot to exercise which of the following privileges? Commercial pilot privileges through April 30 th of next year. Commercial pilot privileges through April 10 th , 2 years later. Private pilot privileges through, but not after March 31 st of next year.
12.	What is the most common type of front in Alaska? a Cold b) Warm c) Occluded d) Stationary
13.	When should notification of an aircraft accident be made to the NTSB if there was substantial damage and no injuries? Immediately. b) Within 10 days. c) Within 30 days.
14.	What are the minimum fuel requirements for a day flight from Wasilla to Fairbanks? Flight parameters are: Hughes 500D Cruise power 70 PSI Airspeed 120 MPH Average headwind 15 MPH Distance for the flight is 273 miles
15.	What is the formula for figuring any weight and balance problem? Weight X Aim = monent
16.	You started work at 0700 hours and have flown a total of 2 hours all day, but you are now asked to take off at 2000. How many hours may you now fly? 1 hour hours hours hours hours hours hours hours
17.	A flight plan is required for all company flights, including a 15 min local training flight? False
18.	You see an aircraft of the same category at your three o'clock position and converging, which is true? a) You have the right of way. (b) He has the right of way. c) You must give way to the right.
19.	Concerning ATC light signals, what does a flashing red light mean to an aircraft in flight? a) Cleared to land. b) Give way to another aircraft. G Airport unsafe — do not land. d) Exercise extreme caution.

20.	Are you required to enter in the Aircraft Journey Log each mechanical irregularity that comes to your attention during a flight? (135.65b) Yes. No.	
21.	Prior to a Part 135 flight, who is responsible to determine that the 100 hour and annual inspections have been complied with? (135.71) a) Owner. b) Director of Maintenance. c) PIC. d) Director of Operations.	
22.	You will fly a sedated wild animal to Anchorage under contract to a zoo. Can you carry a veterinarian with out complying with the passenger requirements of FAR 135? (135.85) Yes. b) No.	
23.	Generally speaking, if personal baggage is small enough to be put under a seat, it may be carried without any tiedowns or restraints? (135.87d) a) Yes. b No.	. *
24.	The VFR cruising altitude for a flight on a magnetic heading of 090° above 3000 ft AGL is (a) odd thousand MSL altitude (b) even thousand MSL altitude odd thousand MSL altitude + 500 ft (d) even thousand MSL altitude + 500 ft	
25.	What subjects are required to be covered by the PIC during the passenger briefing prior to take off? (135.117 a) Smoking, The use of Safety belts, Doors, Emergency Exits, Survival equipment location, Ditching, Fire extinguishers location	
26.	What types of equipment is required in a helicopter to fly VFR at night or VFR over the top? (135.159)	
	91 + Att: tude Indicator, Slip Skid, gyro direction Indicator, Generator, Night - Anticollision lights, Instrument lights, Flashlight W 2 D	coll
27.	What are the minimum ratings a pilot must hold to fly a helicopter in day VFR Part 135 over the top conditions? (135.243 b4)	
	Compercial V/ Instrument or ATP	

28.	1200 a) b c)	erson may operate a helicopter under VFR Part 135 in uncontrolled airspace at an altitude of feet or less above the surface unless the visibility is a least 1 / 2, 1 mile 1 / 2 mile 1 mile					
	d)	1 , 2 mile					
29,	appro	are going to depart Eureka at 61 54.00 N and 147. 10.00 West and fly due north eximately 66 miles to the Clearwater Airstrip. What would be your approximate compassing at the time of departure? (Assume zero deviation)					
		335°					
30.		ot must have had at least consecutive hours of rest during a twenty-four hour d preceding any assignment as pilot of a flight? (135.261b)					
	a)	6					
	b)	8					
	©	10					
	d)						
31.	opera assigi	e to weather, winds, etc, you exceed the flight time limitations by 25 minutes for a single pilot tion during a 24 hour period, what are the rest requirements before further flight aments? (135.267e)					
	a) '	10 hours					
	©	11 hours					
	c)	12 hours					
	d)	14 hours					
32.		You are listening to ATIS, and notice the absence of a sky condition/ceiling and a visibility. This means? (AIM)					
	7 3	The ceiling is at least 5,000 feet and visibility is at least 5 miles.					
	b)	The ceiling is at least 10,000 and the visibility is at least 10 miles					
	c)	The sky cover is less than broken and visibility is at least 15 miles					
	d)	Sky conditions and visibility are not required on all ATIS broadcasts.					
22	τ Α 1.						
33.		aska, if the only reasonable means of transportation is by air, a passenger may carry on a non-					
	sched	uled flight up to <u>Z D</u> gallons of gasoline for his use on a 135 flight.					
34.	You	may operate a helicopter under VFR without visual surface reference? (135.207)					
	a)	True.					
	(b)	False.					
35.		gle engine helicopter operated over water beyond gliding distance from land must?					
	(a)	Be equipped with floatation devices.					
	(a) b)	Be certified for over water flight.					
	c)	Be equipped with a life preserver for each person in the aircraft.					
	ď)	Have two pilots.					
36.	For V	FR flights under FAR 135, what is your required fuel on board?					
_ ~.	a)	Fly to destination.					
	b)	Fly to destination, plus 30 minutes at normal cruise fuel consumption.					
	Ö	Fly to destination, plus 30 minutes at normal cruise fuel consumption. Fly to destination, plus 20 minutes at normal cruise fuel consumption.					
		Fly to destination, plus 45 minutes at holding airspeed.					
	d)	11y to destination, plus 45 minutes at nothing anspeed.					

37.	Soloy Helicopters is authorized to operate under which of the following conditions? (a) Helicopter, VFR day and night. (b) Helicopter, VFR day. (c) Helicopter VFR and IFR day and night. (d) Helicopter, VFR and IFR day.
38.	Soloy Helicopters Inc. is authorized to operate in Alaska, Hawaii and the continental U.S.A.? True False
39.	When landing at an airport with approximately a seven (7) knot crosswind, what is true of the vortices on the ground? a) They will dissipate outward The upwind vortices will stay in the touchdown zone longer. The downwind vortices will stay in the touchdown zone longer. d) They will both roll toward each other.
40. I	What is the meaning of the terms PROB40 2102 +TSRA as used in a Terminal Aerodrome Forecasts (TAF)? a) Probability of heavy thunderstorms with rain showers below 4,000 feet at time 2102. Between 2100Z and 0200Z there is a forty percent (40%) probability of thunderstorms with heavy rain. c) Beginning at 2102Z fourth percent (40%) chance of heavy thunderstorms and rain showers.
41.	The dewpoint is defined as? The temperature at which air reaches its saturation point. The point at which a given parcel of air can hold more moisture. The point at which the air has no moisture The evaporation point of moisture.
42.	The weather most usually associated with a warm air mass consists of? a) Cumulus clouds, rough air and poor visibility. b) Cumulus clouds, smooth air and good visibility C) Stratiform clouds, smooth air and poor visibility d) Stratiform clouds, rough air and good visibility.
43.	Where pronounced mountain ridges and strong winds are present, a clearance of 2,000 to 3,000 feet above the terrain is considered a desirable minimum. False
44.	Rotor blade icing begins near the blade tips? True False
45.	Tundra pads should be used when texture and depth of snow are unknown or when landing in soft muskeg. True False
46.	When lifting out of muskeg, extreme care must be taken to insure that the landing gear is clear from all snags and roots. True False

3,-

47.	Under FAR Part 135, you may not operate a helicopter over a congested area below 300		elow 300 ft AGL.		
	True	False	Except	take off	& Janding
48.	Select the true statement per	aining to the life	cycle of a thunde	rstorm	,
	a) Updrafts continue to	develop through	out the dissipating	ng stage of a thu	ınderstorm.
	a) Updrafts continue to The beginning of	rain at the Ea	rth's surface in	ndicates the m	ature stage of the
	thunderstorm.				-
		rain at the Fart	h's surface indi	cates the dissi	pating stage of the
	, -	ram at the Dart	ii s surrace mai	outos the dissi	paring stage of the
	thunderstorm.				
	4 44 6 .4 .2	1, 0	4 45 1 4		
49.	Fog produced by frontal acti-	vity is a result of	saturation due to	• • • •	
	a) nocturnal cooling				
	b) adiabatic cooling				

With respect to advection fog, which statement is true? 50.

evaporation of precipitation

Ó

It is slow to develop, and dissipates quiet rapidly.

It forms almost exclusively at night or near day break.

a) b) © It can appear suddenly during day or night, and it is more persistent than radiation fog.

AS350B2 FINAL EXAM

(1)

NAME: Zachary Russell	
DATE: 2-7-19	
SCORE: Corr to lov'.	<u> </u>
SUPERVISED & MARKED BY:	

- 1. The maximum permissible internal and external gross weight of the AS350B2 is:
 - a. 4630 lbs; 4961 lbs
 - b. 4850 lbs; 5402 lbs
 - (c) 4961 lbs; 5512 lbs
 - d. 5225 lbs; 6173 lbs
- 2. Which door configuration is permissible:
 - a. All standard doors installed with pilot's door removed
 - (b) All standard doors installed with both rear doors removed
 - c. Left side standard doors closed, pilot's door closed and right hand sliding door open
 - d. Both a and b are correct
- 3. Select the correct answer:
 - a. Maximum sustained density altitude is 20,000 feet
 - b. Minimum temperature is -30°C
 - (c) Maximum temperature is ISA +35°C, limited to +50°C
 - d. Maximum temperature is ISA +30°C, limited to +50°C
- 4. Select the correct statement regarding servo-transparency:
 - a. Continued operation in servo-transparency, where force feedback is felt in the controls, is permitted
 - Servo-transparency can occur when the main rotor experiences a high load condition, such as in a steep turn or heavy turbulence
 - c. Exceeding the servocontrol reversibility limit and servo-transparency are different phenomena
 - d. Servo-transparency most often occurs when hovering
- 5. Select the correct statement regarding power-off rotor RPM:
 - a. Minimum is 320, maximum is 430. The horn sounds continuously below 360
 - b. Minimum is 360, maximum is 410. The horn sounds continuously at the minimum and intermittently at the maximum
 - Minimum is 320, maximum is 430. The horn sounds continuously below 360 and intermittently above 410
 - d. Minimum is 360, maximum is 410. The horn sounds continuously below 360 and above 410
- 6. The maximum RPM for rotor brake application in high wind conditions is: The minimum time between brake applications is:
 - a. 140; 5 minutes
 - (b) 170; 5 minutes
 - c. 140; 10 minutes
 - d. 100; 5 minutes
- 7. Select the correct answer regarding torque limitations:
 - a. Maximum <40kts is 88%; maximum >40kts is 83%
 - b. Maximum <40kts is 107%; maximum >40kts is 100%
 - c. Maximum >40kts is 100% with a 10 second transient limit to 107%
 - (d.) Maximum < 40kts is 100% with a 10 second transient limit to 107%

- 8. The maximum allowable slope landing can be accomplished:

 a Nose up
 b. Nose down
 c. Sideways with left skid upslope
 d. Sideways with right skid upslope

 9. The recommended airspeed for autorotation is;

 a. 55kts
 b. 60kts
 c. 65kts
 d. 70kts
- 10. The flight manual procedure to follow if the FIRE light illuminates in flight is:
 - a. Enter autorotation, close the throttle, switch off the boost pumps and generator
 - b. Reduce power and descend for an emergency landing, close the fuel shutoff if power is lost
 - Enter autorotation, close the fuel shut-off, switch off the boost pumps and generator
 - d. Reduce power and descend for an emergency landing, switch off the boost pumps and generator, closet the throttle prior to touchdown
- 11. Select the correct statement regarding loss of tail rotor thrust:
 - a. In the hover or in forward flight, the nose will yaw right. In both cases, begin by reducing power to alleviate adverse yaw
 - b. In forward flight, the nose will yaw left. Reduce power and maintain forward speed. Make a steep approach and perform a run-on landing with the engine running
 - Hovering IGE, reduce collective pitch and attempt to land before the yaw rate becomes too high
 - d. In forward flight, the nose will yaw right. Reduce power and maintain forward speed. Make a steep approach, shutting down the engine on approach
- 12. In forward flight if the horn sounds and the HYD light illuminates:
 - First adjust airspeed to 60 knots and then shut off the collective HYD cutoff switch. Load feedback will be felt immediately on the controls and the horn will be silenced
 - b. First depress the HYD TEST push button to silence the horn, then shut OFF the collective HYD cutoff switch and adjust airspeed to 60 knots
 - c. A decrease in airspeed from 100 knots to 60 knots will result in an increase in feedback force
 - d. Switching off the collective mounted HYD cutoff switch will not silence the HYD failure horn

- 13. Which statement is correct regarding the aural warning horn?
 - a. The horn sounds continuously when hydraulic pressure is below 30 bar and when NR is between approximately 250 and 360, and intermittently when NR is above 410
 - b. The horn sounds continuously when hydraulic pressure is below 30 bar and when NR is between approximately 250 and 360
 - c. The HORN light illuminates only when the horn sounds
 - (d.) Can be either 1 or 2
- 14. How much usable fuel remains when the FUEL light illuminates:
 - (a) Approximately 18 minutes at MCP
 - b. Approximately 25 minutes at MCP
 - c. Approximately 20 minutes at MTOP
 - d. Approximately 20 minutes at cruise power
- 15. Select the correct statement regarding the cargo swing:
 - a. The maximum permissible load is 1660 lbs
 - \bigcirc The V_{NE} with a load is 80 knots
 - c. The V_{NE} with a load is 100 knots
 - d. The maximum permissible load is 3086 lbs
- 16. The "fail-safe" design of the star-flex refers to:
 - a. The component cannot fail
 - b. The aircraft remains airworthy even if a component has failed
 - c. Component damage will be invisible and progress rapidly
 - (d) Component damage will be visible and progress slowly
- 17. The Tail Rotor Control Failure procedure calls for the pilot to set IAS to ____ kts and depress the HYD TEST button momentarily to:
 - a. 40 kts; to allow the tail rotor to move toward neutral pitch
 - (b) 70 kts; to allow the tail rotor to move toward neutral pitch
 - c. 40 kts; to eliminate servo-transparency on the tail rotor servo
 - d. 70 kts; to pressurize the yaw servo accumulator

18. The longitudinal C.G. given the following weights is:

	Weight	C.G. Arm	Moment
Empty weight	2900 lbs	138"	
Pilot	200 lbs	61.02	
Co-Pilot	180 lbs	61.02	
Rear seat pax	300 lbs	99.99	
Left side locker	100 lbs	125.98	
Aft locker	100 lbs	181.10	
Fuel	600 lbs	136.80	

- a. 130.0
- b. 122.45
- (c) 129.26
- d. None of the above
- 19. Is the C.G. from the previous question within limitations?
 - (a) Yes
 - b. No
- 20. If the F FILT light illuminates in flight and does not go out following a reduction in engine power the following procedure applies:
 - a. Continue flight at reduced power
 - b. Land as soon as practical
 - Land as soon as possible
 - d. Enter autorotation and shut off engine
- 21. The correct procedure following the illumination of the ENG CHIP light is:
 - a. Continue flight
 - b. Land as soon as practical
 - Land as soon as possible
 - d. Enter autorotation on shut off engine
- 22. The installation of the Soloy D2 STC and Lycoming LTS101 increases the max gross weight of the AS350B2 to 5225 lbs:
 - a. True
 - (b) False
- 23. Testing of the engine overspeed system (EOS) on the LTS101 engine needs to be accomplished:
 - Daily, before the first flight of the day
 - b.) Daily, after the last flight of the day
 - c. Every flight, prior to takeoff
 - d. Every 100hr inspection

MD 500 FINAL EXAM

(2)

NAME	: Zach	hussell	

DATE: 1-21-20

SCORE: Counted to 100%

SUPERVISED & Rob

Vne with a door off is 13 e kts kts for 2501 lbs and above and 120 kts for 2500 lbs or less. 2. Takeoff power is restricted to 27.2 psi torque; and 210 degrees C. for 5 minutes. Transient overtorque limits allow for a maximum up to 93 psi, torque for 15 seconds and 77.6 psi torque for 3 seconds at 103% N2 or up to 243 degrees C for 6 seconds. 3. In what conditions would you use Engine Anti-Ice? temp under 5 with 100 kts, and 140 Nr. Minimum rate of descent in autorotation is obtained at 20 kts, and 140 Nr. Minimum rate of descent in autorotation is obtained at 40 kts and 140 Nr. 5. After ditching in water, what must you do as the helicopter starts to roll? lower collection for lower turbine governor failure? If 080 should shut down the engine when suffering a fuel control or power turbine governor failure? If 080 for 180 Controlled. 7. Why keep the Generator switch on, if after a GEN OUT indicator illuminates, and the generator will not reset? 18 kts and 160 controlled for 180 kts and 180 controlled for 180 kts. It should be 180 controlled for 180 contro	1.	Maximum Vne is 156 Kts	
2. Takeoff power is restricted to \$\frac{\mathbb{P.7.2}}{\mathbb{P.7.6}} \text{psi torque}; and \$\frac{\mathbb{P.7.6}}{\mathbb{P.7.6}} \text{psi torque} \text{ for } \frac{\mathbb{S.6}}{\mathbb{P.7.6}} \text{psi torque} \text{ for } \frac{\mathbb{S.6}}{\mathbb{S.6}} \text{psi torque} \text{ for } \frac{\mathbb{S.6}}{			
minutes. Transient overtorque limits allow for a maximum up to 93 psi, torque for 15 seconds and 977.6 psi torque for 3 seconds at 103% N2 or up to 1543 degrees C for 6 seconds. 3. In what conditions would you use Engine Anti-Tee? temp und s 5 C with 1550 pcc. 1549 Nr. Minimum rate of descent in autorotation is obtained at 150 kts, and 150 Nr. Minimum rate of descent in autorotation is obtained at 150 kts, and 150 Nr. Minimum rate of descent in autorotation is obtained at 150 kts, and 150 Nr. 5. After ditching in water, what must you do as the helicopter starts to roll? loves cellected loves			
seconds at 103% N2 or up to 243 degrees C for 6 seconds. In what conditions would you use Engine Anti-Ice? 1 seconds. In what conditions would you use Engine Anti-Ice? 1 seconds. Maximum gliding distance in autorotation is obtained at 20 kts, and 40 Nr. Minimum rate of descent in autorotation is obtained at 40 kts and 40 Nr. After ditching in water, what must you do as the helicopter starts to roll? 1 over 1 collect 1/1/1 to key blades from 1/2 you should shut down the engine when suffering a fuel control or power turbine governor failure? If 0 particles 12 Nr. Why keep the Generator switch on, if after a GEN OUT indicator illuminates, and the generator will not reset? 1a lave the Andorse 1/2 Nr. System enabled for 1	2.		
or up to			
1. In what conditions would you use Engine Anti-Ice? There would so with the state of the state			
4. Maximum gliding distance in autorotation is obtained at SO kts, and Ho Nr. Minimum rate of descent in autorotation is obtained at GO kts and Ho Nr. 5. After ditching in water, what must you do as the helicopter starts to roll? lower collected to key bloder from skiping on worker. 6. What would determine if you should shut down the engine when suffering a fuel control or power turbine governor failure? IF Operating NRM cannot be controlled. 7. Why keep the Generator switch on, if after a GEN OUT indicator illuminates, and the generator will not reset? to know that Andrewing it is system enabled. I low RM Horn 8. What are the allowable "doors off" configurations for the MD500D? Any Front down left as Cight Front down both back doors, Front and back doors, all doors 9. What is the average fuel consumption for the MD500D in cruise at 70 psi torque? 10. Tail rotor movement up to 3/4 inches in the plane of rotation, without coincidental movement of the main rotor blades is considered normal. 11. The auto re-ignition is activated whenever Nr drops below 468, or N1 drops below			
4. Maximum gliding distance in autorotation is obtained at So kts, and Ho Nr. Minimum rate of descent in autorotation is obtained at 60 kts and 410 Nr. 5. After ditching in water, what must you do as the helicopter starts to roll? loves collected to be blades from skiping on variety. 6. What would determine if you should shut down the engine when suffering a fuel control or power turbine governor failure? If openation had cannot be controlled. 7. Why keep the Generator switch on, if after a GEN OUT indicator illuminates, and the generator will not reset? The lave the Adv reignition system enabled. 8. What are the allowable "doors off" configurations for the MD500D? Any front and board doors, front and board doors, all doors. 9. What is the average fuel consumption for the MD500D in cruise at 70 psi torque? U.S. GPH. 10. Tail rotor movement up to 3/4 inches in the plane of rotation, without coincidental movement of the main rotor blades is considered normal. 11. The auto re-ignition is activated whenever Nr drops below 468, or N1 drops below	3.	'	
Nr. Minimum rate of descent in autorotation is obtained at		Visible presil	
Nr. Minimum rate of descent in autorotation is obtained at	4.	Maximum gliding distance in autorotation is obtained at kts, and	
5. After ditching in water, what must you do as the helicopter starts to roll? loves collected to be body from skiping -n water. 6. What would determine if you should shut down the engine when suffering a fuel control or power turbine governor failure? If openating NRM cannot be controlled. 7. Why keep the Generator switch on, if after a GEN OUT indicator illuminates, and the generator will not reset? to lave the Auto reignition System enabled. It was the allowable "doors off" configurations for the MD500D? Any front doors and back doors, all doors. 9. What is the average fuel consumption for the MD500D in cruise at 70 psi torque? 20 U.S. GPH. 10. Tail rotor movement up to 3/4 inches in the plane of rotation, without coincidental movement of the main rotor blades is considered normal. 11. The auto re-ignition is activated whenever Nr drops below 468 , or N1 drops below			
to key blocks from Skiping on Water. 6. What would determine if you should shut down the engine when suffering a fuel control or power turbine governor failure? If Operating RPM cannot be Controlled. 7. Why keep the Generator switch on, if after a GEN OUT indicator illuminates, and the generator will not reset? to have the Androvenian system enabled. Furthern least the allowable "doors off" configurations for the MD500D? Any Front and back doors, all doors 9. What is the average fuel consumption for the MD500D in cruise at 70 psi torque? 10. Tail rotor movement up to 3/4 inches in the plane of rotation, without coincidental movement of the main rotor blades is considered normal. 11. The auto re-ignition is activated whenever Nr drops below 468, or NI drops below		Nr.	
6. What would determine if you should shut down the engine when suffering a fuel control or power turbine governor failure? IF Operating DRM cannot be Controlled. 7. Why keep the Generator switch on, if after a GEN OUT indicator illuminates, and the generator will not reset? to leave the Andorson System enabled. I will have the Horn 8. What are the allowable "doors off" configurations for the MD500D? Any Front and back doors, all doors 1eft or cight front door both back doors, front and back doors, all doors 9. What is the average fuel consumption for the MD500D in cruise at 70 psi torque? U.S. GPH. 10. Tail rotor movement up to	5.		
turbine governor failure? If Operating DRM cannot be Controlled. 7. Why keep the Generator switch on, if after a GEN OUT indicator illuminates, and the generator will not reset? to have the Auto reignition system enabled. I will have the allowable "doors off" configurations for the MD500D? Any Front door left as fight front doors both back doors, front and back doors, all doors. 9. What is the average fuel consumption for the MD500D in cruise at 70 psi torque? U.S. GPH. 10. Tail rotor movement up to 3/4 inches in the plane of rotation, without coincidental movement of the main rotor blades is considered normal.		to Key blades trom Skiping on Water,	
7. Why keep the Generator switch on, if after a GEN OUT indicator illuminates, and the generator will not reset? 10 lave the Ando 10 ignition System enabled. I low life Horn 8. What are the allowable "doors off" configurations for the MD500D? Any Front down left as Gight Front door both back doors, Front and back doors, all doors 9. What is the average fuel consumption for the MD500D in cruise at 70 psi torque? U.S. GPH. 10. Tail rotor movement up to 3/4 inches in the plane of rotation, without coincidental movement of the main rotor blades is considered normal. 11. The auto re-ignition is activated whenever Nr drops below 46 in No NI drops below	6.		
will not reset? to larve the Auto reignition system enabled. E low Rem Horn		turbine governor failure? The Operation with Cannot by Cantonian.	()
will not reset? to larve the Auto reignition system enabled. E low Rem Horn		<u> </u>	*.
What are the allowable "doors off" configurations for the MD500D? 1eft gs sight front loor both back loors, front and back loors, all doors 10 What is the average fuel consumption for the MD500D in cruise at 70 psi torque? U.S. GPH. 10	7.		
What are the allowable "doors off" configurations for the MD500D? 1854 gr (ight Front loar both back doors) Front and back doors Any Front door 20 20 30 4 10. Tail rotor movement up to 3/4 inches in the plane of rotation, without coincidental movement of the main rotor blades is considered normal. 11. The auto re-ignition is activated whenever Nr drops below 468 or N1 drops below			
9. What is the average fuel consumption for the MD500D in cruise at 70 psi torque? U.S. GPH. 10. Tail rotor movement up to	8	What are the allowable "doors off" configurations for the MD500D? Any Figure door	
9. What is the average fuel consumption for the MD500D in cruise at 70 psi torque? U.S. GPH. 10. Tail rotor movement up to	.		
U.S. GPH. 10. Tail rotor movement up to			
U.S. GPH. 10. Tail rotor movement up to		70	
 Tail rotor movement up to 3/4 inches in the plane of rotation, without coincidental movement of the main rotor blades is considered normal. The auto re-ignition is activated whenever Nr drops below , or N1 drops below 	9.	what is the average fuel consumption for the MD300D in cruise at 70 psi torque?	
movement of the main rotor blades is considered normal. The auto re-ignition is activated whenever Nr drops below, or N1 drops below,			
11. The auto re-ignition is activated whenever Nr drops below , or N1 drops below	10.		
III 70.	11.		
12. Up to almost 6,000 feet density altitude, the best rate of climb speed is knots.	12.	Up to almost 0,000 feet density attitude, the best rate of climb speed is knots.	(

It idle speed is? 10 61 – 65 % 64 – 65 % 62 – 67% 10 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red 2 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 ×	64-65% 62-67% 61) 62-65% 810 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red		g the preflight, you detect the Facet engine oil filter red button extended. Are you allowed to
It idle speed is? 10 61 – 65 % 64 – 65 % 62 – 67% 10 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red 2 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 ×	No idle speed is? 1 61-65 % 64-65 % 62-67% 10 62-65 % 10 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red 2 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 ×	Start	the engine? What must you do? Les Start After reseting butt
10 61 - 65 % 64 - 65 % 62 - 67% 610 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red	61 - 65 % 64 - 65 % 62 - 67% 1) 62 - 65 % 810 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red		Lhun Engine If (ed button Appears) again shut down
10 61 - 65 % 64 - 65 % 62 - 67% 610 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red	61 - 65 % 64 - 65 % 62 - 67% 1) 62 - 65 % 810 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red		<u> </u>
64-65% 62-67% 610 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red CNAC	64 - 65 % 62 - 67% 61) 62 - 65 % 810 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red	N1 io	
62 - 67% 610 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red	62 - 67% 1) 62 - 65 % 310 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red	a)	
(a) 62-65% (b) 62-65% (c) 610 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red (C) (A) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	10 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red 643 degree C transient TOT limit is indicated by a red 643 degree C transient TOT limit is indicated by a red 643 degree C transient TOT limit is indicated by a red 643 degree C transient TOT limit is indicated limit. Recommended airspeed for flight in the event of tail rotor failure is: 1	~	
10 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red	10 degrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated by a red	d)	
indicated limit. Recommended airspeed for flight in the event of tail rotor failure is: 120 – 130 kts. 50 – 60 kts. 30 – 40 kts. 60 – 80 kts. There are approximately	py a red	/	
indicated limit. Recommended airspeed for flight in the event of tail rotor failure is: 120 – 130 kts. 50 – 60 kts. 30 – 40 kts. 60 – 80 kts. There are approximately	py a red	810 d	legrees C. maximum TOT is indicated by a red 843 degree C transient TOT limit is indicated
Recommended airspeed for flight in the event of tail rotor failure is: 120 – 130 kts. 50 – 60 kts. 30 – 40 kts. There are approximately	Recommended airspeed for flight in the event of tail rotor failure is: 120 – 130 kts. 50 – 60 kts. 30 – 40 kts. 1) 60 – 80 kts. There are approximately	bv a	ed CMA . 927 degrees C starting TOT limit has 1 Second indicated limit.
120 – 130 kts. 50 – 60 kts. 30 – 40 kts. 60 – 80 kts. There are approximately	120 – 130 kts. 50 – 60 kts. 30 – 40 kts. 11) 60 – 80 kts. There are approximately	•	
50 - 60 kts. 30 - 40 kts. 1) 60 - 80 kts. There are approximately	50 - 60 kts. 30 - 40 kts. 1) 60 - 80 kts. There are approximately		
30 – 40 kts. 1) 60 – 80 kts. There are approximately	30 – 40 kts. i) 60 – 80 kts. There are approximately	a) L	
There are approximately	There are approximately	3	
There are approximately	There are approximately	d)	
For non-self sealing fuel tanks, the capacity is	For non-self sealing fuel tanks, the capacity is		
For non-self sealing fuel tanks, the capacity is	For non-self sealing fuel tanks, the capacity is	Ther	e are approximately lbs of fuel remaining when the fuel low warning
For non-self sealing fuel tanks, the capacity is	For non-self sealing fuel tanks, the capacity is	lioht	comes on
Gal unusable. If your main rotor is not turning by	Gal unusable. If your main rotor is not turning by	115111	
If your main rotor is not turning by	If your main rotor is not turning by	_	
Following ignition, the starter button must be held down until a) 15% N1. b) The blades start turning. c) 48 - 50 % N1. ff engine has been shut down for over 15 minutes, power should not be increase from idle for a) 30 minutes. b) 1 minute. c) 30 seconds. d) 2 minutes. Cargo deck capacity is lbs not to exceed lbs per square foot.	Following ignition, the starter button must be held down until a) 15% N1. b) The blades start turning. c) 48 - 50 % N1. d) 58 - 60 % N1. If engine has been shut down for over 15 minutes, power should not be increase from idle for a) 30 minutes. b) 1 minute. c) 30 seconds. d) 2 minutes. Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	_	
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15% N1. The blades start turning. 48 - 50 % N1. The blades start turning. 48 - 50 % N1. The blades start turning. 48 - 50 % N1. If engine has been shut down for over 15 minutes, power should not be increase from idle for 30 minutes. 1 minute. 30 seconds. 40 2 minutes. Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	a) 15% N1. b) The blades start turning. c) 48 – 50 % N1. d) 58 – 60 % N1. If engine has been shut down for over 15 minutes, power should not be increase from idle for a) 30 minutes. b) 1 minute. c) 30 seconds. d) 2 minutes. Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	For Gal 1	non-self sealing fuel tanks, the capacity is 62.1 U. S. Gal. with 1.9 unusable.
15% N1. The blades start turning. 48 - 50 % N1. The blades start turning. 48 - 50 % N1. The blades start turning. 48 - 50 % N1. If engine has been shut down for over 15 minutes, power should not be increase from idle for 30 minutes. 1 minute. 30 seconds. 40 2 minutes. Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	a) 15% N1. b) The blades start turning. c) 48 – 50 % N1. d) 58 – 60 % N1. If engine has been shut down for over 15 minutes, power should not be increase from idle for a) 30 minutes. b) 1 minute. c) 30 seconds. d) 2 minutes. Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	For Gal 1	non-self sealing fuel tanks, the capacity is 62.1 U. S. Gal. with 1.9 unusable.
48 – 50 % N1. 58 – 60 % N1. If engine has been shut down for over 15 minutes, power should not be increase from idle for a) 30 minutes. b) 1 minute. c) 30 seconds. d) 2 minutes. Cargo deck capacity is lbs not to exceed lbs per square foot.	deck capacity is lbs not to exceed lbs per square foot.	For Gal 1	non-self sealing fuel tanks, the capacity is 62.1 U. S. Gal. with 1.9 unusable. ur main rotor is not turning by 25 % N1 ABORT THE START.
58 - 60 % N1. If engine has been shut down for over 15 minutes, power should not be increase from idle for a) 30 minutes. b) 1 minute. c) 30 seconds. d) 2 minutes. Cargo deck capacity is lbs not to exceed lbs per square foot.	58 – 60 % N1. If engine has been shut down for over 15 minutes, power should not be increase from idle for a) 30 minutes. b) 1 minute. c) 30 seconds. d) 2 minutes. Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	For Gal 1	non-self sealing fuel tanks, the capacity isU. S. Gal. withunusable. our main rotor is not turning by% N1 ABORT THE START. In the starter button must be held down until
If engine has been shut down for over 15 minutes, power should not be increase from idle for 30 minutes. 1 minute. 30 seconds. 2 minutes. Cargo deck capacity is lbs not to exceed lbs per square foot.	If engine has been shut down for over 15 minutes, power should not be increase from idle for 30 minutes. 1 minute. 30 seconds. 2 minutes. Cargo deck capacity is lbs not to exceed lbs per square foot.	For Gal 1 If your Follows,	non-self sealing fuel tanks, the capacity isU. S. Gal. withunusable. ur main rotor is not turning by% N1_ABORT THE START. wing ignition, the starter button must be held down until 15% N1. The blades start turning.
30 minutes. 1 minute. 30 seconds. 2 minutes. Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	a) 30 minutes. b) 1 minute. c) 30 seconds. d) 2 minutes. Cargo deck capacity is 1300 lbs not to exceed lbs per square foot.	For Gal 1 If your Follows	non-self sealing fuel tanks, the capacity isU. S. Gal. withunusable. The main rotor is not turning by% N1 ABORT THE START. The wing ignition, the starter button must be held down until 15% N1. The blades start turning. 48 – 50 % N1.
30 minutes. 1 minute. 30 seconds. 2 minutes. Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	a) 30 minutes. b) 1 minute. c) 30 seconds. d) 2 minutes. Cargo deck capacity is 1300 lbs not to exceed lbs per square foot.	For Gal 1 If your Follonia)	non-self sealing fuel tanks, the capacity isU. S. Gal. withunusable. The main rotor is not turning by% N1 ABORT THE START. The wing ignition, the starter button must be held down until 15% N1. The blades start turning. 48 – 50 % N1.
1 minute. 30 seconds. d) 2 minutes. Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	1 minute. 30 seconds. d) 2 minutes. Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	For Gal u If you Follo a) b) c)	non-self sealing fuel tanks, the capacity isU. S. Gal. with
Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	For Gal u If you Follo a) b) c)	non-self sealing fuel tanks, the capacity isU. S. Gal. with
d) 2 minutes. Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	d) 2 minutes. Cargo deck capacity is 1300 lbs not to exceed 115 lbs per square foot.	For Galu If you Follo a) b) c) If en	non-self sealing fuel tanks, the capacity is
		For Gal u If you Follo a) b) c)	non-self sealing fuel tanks, the capacity is
		For Galu If you Follo a) b) c) If en	non-self sealing fuel tanks, the capacity isU. S. Gal. with
	During starts, starter time limits are	For Gal 1 If your Folice a) b) cc) d) If en a) c) d)	non-self sealing fuel tanks, the capacity is
min. ON, min. OFF,		ollo	mon-self sealing fuel tanks, the capacity is
min. ON, min. OFF,	min ON 12 min OFF	or al u yo allo	musable. The sealing fuel tanks, the capacity is

25.	Maximum N1 or	perating speed is	105	%.		
	-	_			30	seconds of
26.		cycle, transmissic	on warning light o	ut within		_ seconds of
	engine light-off.			1	I I U	1 2- 1
27.	Maximum opera	ting altitude with	Anti-Ice filter ins	talled	4,000 17 71	OAT It tem
	an ground	before flic	int is over	5°C	the Max	Alt 15 14,000 1:
28.	Choose the "INC	CORRECT" states	nent (s)	0 1414-13	14,000 77	POAT II tem Alt is 14,000 is HP
	Dynamic rollove	er can occur				
		oslope direction.				
		wnslope direction el ground.				
			land on too steep	of a slope.		
			NUAL FOR THE	HUGHES	500D FIND TH	HE ANSWERS TO
THEF	OLLOWING QUE	SHONS.				
20	TTotal distance	1 - CC4 -14 C		. 1:	2 1/ foot harrow w	-doatia tha
29.	0 0		or the extended lan			4
	maximum altitud	le you could hove	er at a gross weigh	it of 2960 II	os at +5degrees (c. 7680 FA HP
30.	Using the out of	ground effect ho	ver chart find the	maximum a	ltitude you could	d Pick up a drill
	engine using the	following weigh	ts and temperature) .		
	Empty weight of	f aircraft	1570 lbs			
	PIC		210 lbs			
	Fuel		150 lbs.			
	Drill Engine OAT		1170 lbs. 15 degrees C.			
	3900 \$4	. 110	15 degrees e.			
	<u> </u>	1/1				
31.	Using the follow	ving information,	find the C of G of	the helicor	oter as loaded for	r this flight?
		Weight	Arm	Moveme	ent	
	A/C empty	1601.0	109.1	174761		
	Pilot	200.0	73.5	14,700.		
	Fuel	420.0	96.42	40,496		
	RH Pax	235.0	73.5	17,272 14,175	9 J	
	LR Pax	135.0	105 105	18,378	. 0	
	RR Pax	175.0	107	, , , , ,		
	Under RR seat Emerg gear	<u>50.0</u>	105	5,25	0	
	Gross weight	2816	101.21	285	029.9	

32. Allison 250 series engines are modular in construction what are the three basic components?

	(a) Compressor, Gearbox, Combustion. b) Compressor, Bleed valve, Anti – Ice. Compressor, Gearbox, Turbine. d) None of the above.
	33.	What is compressor bleed air used for? a) Bleed valve actuation. b) Fuel control unit system reference c) Engine Anti-ice. All the above.
	34.	What is the purpose of the bleed air valve? Unload compressor during start. b) Cabin heat. c) Engine anti-ice. None of the above.
·	35.	Which of the following is true of the engine ignition system? Required during start only. Maintains combustion. Required during start and relight cycles. None of the above.
	36.	The fuel filter bypass light indicates? a) Bypassed filter. b) Impending bypass. c) Impending flameout. d) None of the above.
	37.	Where is the airframe fuel filter located in respect of the engine fuel system? a) On the left hand side of the firewall. Between the fuel pump and the fuel control. Prior to engine system. d) Prior to fuel nozzle.
y.	38.	Where does the oil cooler get its cooling air from? a) Ram Air b) Oil cooler blower c) Compressor Bleed Air d) All of the above
	39.	 What are three sources of D.C. Power? a) N1, N2, and Nr tachometer generators. b) Battery cart, GPU and D.C. Rectifier Generator, GPU, battery. d) None of the above.

40.	The basic electrical system is controlled and protected by a) Circuit breaker. b) Switches.
	c) Relays. All of the above.
41.	What is the primary source of the D.C. power for the aircraft?
	Battery.
	b) Starter/Generator.
	c) GPU.
	All of the above.
40	
42.	At what point might the generator drive shaft shear?
	a) 90% N1 without load.
	b) 85% N1 with load.
	c) 103% Nr without load. (d) 70% N1 with load.
	7070 INT WILLI IOAU.
43.	What is the purpose of the shear point for the generator drive shaft?
	a) Protects the generator.
	Protects the engine drive train.
	c) Prevents an electrical overload.
	d) None of the above.
44.	When the generator light comes on and cycling of the switch does not bring it back on line, what
77.	should you do?
	a) Shut off generator switch.
	b) Shut off battery.
	Reduce electrical load and pull gen.
	d) All of the above.
45.	Why is the generator switch left on during a generator off line situation?
	a) In case it comes back on line.
	b) To power the D. C. buss. To allow EPO system to function. Engine and/Low Roter Andio Warning Sy. Reduce electrical load.
	d) Reduce electrical load.

Flight and Duty Times - Soloy Helicopters

Zachary Russell Month/Year: **JANUARY** 2021 Pilot Name: **Duty Time** Assigned Duty **Additional** Notes & Additional Rev Hrs NonRev DFR# Aircraft Customer Location Day Payments Information On Off On Off OFF 1 OFF 2 OFF 3 OFF 4 OFF 5 OFF 6 OFF OFF 8 OFF OFF 10 OFF OFF 12 OFF OFF 14 OFF OFF OFF OFF OFF OFF 20 135 Astar ground and 0.6 27273 350SH **PAWS** 1000 1630 1000 1630 Soloy flight. Check Ride OFF OFF OFF OFF CPR online training 26 1200 1430 1200 1430 Soloy Home 0 **CPR training at PAWS PAWS** 1230 1430 1230 1430 Soloy OFF 28 OFF OFF 30 OFF 0 **MONTHLY TOTALS** 0.0 0.6 28 \$0.00 MONTHLY DAY TOTAL MONTHLY REV MAY JUN JÚL AUG SEP NOV DEC 1ST JAN FEB MAR APR OCT 2ND Total Month 0.0 32.2 46.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 **Total Year** 0.0 32.2 78.2 78.2 78.2 78.2 78.2 78.2 78.2 0.0 0.0 78.2 Day Totals 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 41.5 Day Totals 0.0 18.0 23.5 36.0 Days Off Qtr 36 0 0 0

Flight and Duty Times - Soloy Helicopters

Pilot Name:

Zachary Russell

Month/Year:

FEBRUARY

2021

MONTHLY REV

1ST 2ND

15.8 16.4

Day Totals

41.5

36.0

Day	Aircraft	Customer	Location	Duty	Time	Assigne	ed Duty	Rev Hrs	NonRev	Day	DFR#	Additional	Notes & Additional
D.	Allcraft	Customer	Location	On:	Off	On O	Off		Nonne	Day	DIN#	Payments	Information
1		•								OFF			
2	559SH	CPG	Girdwood	1200	1800	1200	1800	0.5		1	30389	\$45.00 Per Diem	Ferry from PAWS to CPG
3	559SH	CPG	Girdwood	800	1730	800	1730	2.4		1	27274	\$60.00 Per Diem	Heli SKi
4	559SH	CPG	Girdwood	800	1730	800	1730	3.4		1	27275	60.00 Per Diem	Heliski
·5	559SH	CPG	Girdwood	800	1730	800	1730	2.1		1	27276	\$60.00 Per Diem	Heliski
6	559SH	CPG	Girdwood	800	1730	800	1730	1.9		1	27277	\$60.00 Per Diem	Heliski
7	559SH	CPG	Girdwood	800	1730	800	1730	2.4		1	27278	\$60.00 Per Diem	Heliski
8	589SH	CPG	Girdwood	800	1730	800	1730	1.9		1	27279	\$60.00 Per Diem	Heliski
9										OFF			
10		~~~								OFF			
11	NA	CPG	Girdwood	930	1000	930	1000			0			Covid test at girdwood clinic
12										OFF			
13										OFF		.,	
14										OFF			
15	567NA	GCI	PAWS	800	1630	800	1630	1.2		1	30551		GCI flight to Shell Mt
16	NA	Soloy	ANC	930	1000	930	1000			0			Covid Test
17										OFF			
18										OFF			
19	559SH	CPG	PAWS Girdwood	700	1800	700	1800	3.4		1	27280	\$60.00 Per Diem	CPG heliski and ferry flight
20	559SH	CPG	Girdwood	800	1800	800	1800	1.6		1	27281	\$60.00 Per Diem	Heliski
21	529SH	CPG	Girdwood	800	1800	800	1800	2.4		1	27282	\$60.00 Per Diem	Heliski
22	529SH	CPG	Girdwood	800	1800	800	1400	0.0		1	27283	\$60.00 Per Diem	Heliski no flight Wx cancel
23	529SH	CPG	Girdwood	700	1800	700	1630	1.5		1	27284	\$60.00 Per Diem	Heliski
24	529SH	CPG	Girdwood	700	1800	700	1330	0.0		1	27286	\$60.00 Per Diem	No flight Wx cancel
25	529SH	CPG	Girdwood	700	1800	700	1800	3.7		1	27285	\$60.00 per Diem	Heliski
26	529SH	CPG	Girdwood	700	1800	700	1800	1.4		1	27287	\$60.00 Per Diem	Heliski
27	529SH	CPG	Girdwood	700	1800	700	1800	0.0		1	27290	\$60.00 Per Diem	No flight
28	529SH	CPG	Girdwood	700	1800	700	1800	2.4		1	27288	\$60.00 Per Diem	Heliski

МО	NTHLY	DAY TO	TAL 18	:	N	IONTHL	Y TOTAL	. s 32.2	0.0	8		\$0.00	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	1
Total Month	0.0	32.2	46.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0]
Total Year	0.0	32.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	0.0	0.0	78.2]
Day Totals	0.0	18.0	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Days Off Qtr			36			0			0			0	

Flight and Duty Times - Soloy Helicopters Month/Year: 2021 Zachary Russell **MARCH** Pilot Name: Duty Time | Assigned Duty Additional Notes & Additional Aircraft Customer Location Rev Hrs NonRev Day DFR# Payments Information On Off On Off \$60.00 per 1 No flight Wx cancel 529SH CPG Girdwood 700 1800 700 1800 0.0 27289 diem S60.00 Per 1 Heliski 2 529SH CPG Girdwood 700 1800 700 1800 3.7 27291 diem S60.00 Per 1 Heliski 3 Girdwood 700 1800 700 1800 27292 529SH CPG 3.2 diem S60.00 Per 1 Heliski 4 700 1800 700 1800 3.3 27293 529SH CPG Girdwood diem S60.00 Per 1 Heliski 5 529SH CPG 700 1800 700 1800 2.5 27294 Girdwood diem \$60,00 Per 1 Heliski 6 700 1800 700 1800 27295 529SH CPG Girdwood 1.4 diem S60.00 Per 1 Heliski CPG 700 1800 700 1800 27296 529SH Girdwood 2.5 diem S60.00 Per 1 Heliski 1800 8 529SH CPG Girdwood 700 1800 700 3.2 27297 diem \$60.00 Per 1 Heliski 529SH CPG Girdwood 700 1800 700 1800 27298 diem 1.2 \$60.00 Per 1 NO flight bad MX 10 529SH CPG Girdwood 700 1800 700 1800 0.0 27299 diem \$60.00 Per 1 No flightWx 11 529SH CPG Girdwood 700 1800 700 1800 0.0 27300 diem S60.00 Per 1 Heliski 12 529SH **CPG** Girdwood 700 1800 700 1800 1.8 27097 diem \$60.00 Per 1 Heliski 13 1800 27098 529SH CPG Girdwood 700 1800 700 2.1 diem \$60.00 Per 1 Heliski 14 1800 700 1800 700 1.7 27099 529SH CPG Girdwood diem \$60.00 Per Wx hold and Mx flight 1 15 Soloy/CPG 700 2000 700 2000 0.0 27100 529SH Girdwood 0.1 diem for fm radio 0.00 Pe Heliski and Mx flight. 1 16 2.5 30390 529SH CPG Girdwood 700 1800 700 1800 0.2 diem 30390 and 30391 DFR \$60.00 Per Heliski in 357 Greg K 1 17 30392 357SH CPG Girdwood 700 1800 700 1800 3.6 0.4 diem ferry to CPG .4 \$60.00 Per 1 Heliski 18 357SS CPG Girdwood 700 1800 700 1800 1.5 30393 diem \$60.00 Per 1 Heliski 19 700 1800 1800 30394 357SH CPG Girdwood 700 2.4 diem \$60.00 Per 1 No flight Wx cancel 20 1800 700 1800 0.0 30395 357SH CPG Girdwood 700 diem \$60.00 Per 1 Heliski 30396 529SH CPG Girdwood 700 1800 700 1800 3.3 diem \$60.00 Per 1 Heliski 700 1800 1800 3.5 30397 529SH CPG Girdwood 700 diem \$60.00 Per 1 Heliski 23 529SH CPG Girdwood 700 1800 700 1800 2.6 30398 diem Covid test and Phone 0.5 24 Soloy Anchorage 1000 1630 1000 1630 0.0 calls with TML, Third 25 26 28 29 30

МО	NTHLY	DAY TO	TAL 24	Ŀ			TOTAL	.s 46.0	0.7	0		\$0.00	
	JAN	FEB	MAR	APR	" MAY	JUN	JUL	ÄUG	-SEP.	OCT	NOV	DEC	
Total Month	0.0	32.2	46.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Year	0.0	32.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	0.0	0.0	78.2	
Day Totals	0.0	18.0	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0] =
Days Off Qtr			36			0			0			0] :

MONTHLY REV

1ST 2ND
26.6 19.4

Day Totals

41.5

36.0

Flight and Duty Times - Soloy Helicopters

Pilot Name: Zachary Russell Month/Year: APRIL 2021

Дау	Aircraft	Customer	Location	Duty On	Time Off	Assigne On	ed Duty Off	Rev Hrs	NonRev	Day	DFR.#	Additional Payments	Notes & Additional Information
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MC	NTHLY	DAY TO	TAL 0		IV	IONTHL	Y TOTAI	.s <u> 0.0</u>	0.0	0	L	\$0.00
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Total Month	0.0	32.2	46.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Year	0.0	32.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	0.0	0.0	78.2
-Day Totals	0.0	18.0	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MONTHLY REV	
, 1ST	ZND
0.0	0.0
Day Totals	
41 5	