NATIONAL TRANSPORTATION SAFETY BOARD NTSB Form 6120.1 PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT

Email the pilot/operator aircraft accident/incident report to the investigator-in-charge of your accident/incident. If email is not available, mail the report per the instructions below.

If your accident/incident occurred in Maine, Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Pennsylvania, Maryland, Delaware, Virginia, West Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Mississippi, Alabama, Georgia, Florida, the District of Columbia, Puerto Rico, or the US Virgin Islands, send the form to: NTSB, ERA, 45065 Riverside Parkway, Ashburn, VA 20147.

If your accident/incident occurred in Ohio, Michigan, Indiana, Wisconsin, Illinois, Minnesota, Iowa, Missouri, Arkansas, Louisiana, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, Colorado, or New Mexico, send the form to: NTSB, CEN, 4760 Oakland Street, Suite 500, Denver, CO 80239.

If your accident/incident occurred in Montana, Wyoming, Idaho, Utah, Arizona, Nevada, Washington, Oregon, California, Hawaii, or the territories of Guam or American Samoa, send the form to: NTSB, WPR, 505 South 336th Street, Suite 540, Federal Way, WA 98003.

If your accident/incident occurred in Alaska, send the form to: NTSB, ANC, 222 West 7th Avenue, Room 216, Box 11, Anchorage, AK 99513.

Rules pertaining to notification of aircraft accidents and incidents, as well as overdue aircraft are found in 49 *Code of Federal Regulations* (CFR) Part 830 http://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&tpl=/ecfrbrowse/ Title49/49cfr830_main_02.tpl. These rules state the authority of the NTSB, define accidents, incidents, injuries, and other terms, and provide procedures for initial and immediate notification of accidents and incidents by aircraft pilots/operators.

A. APPLICABILITY

The pilot/operator of an aircraft shall send a report to the office listed above, based on accident/incident location; immediate notification is required by 49 CFR 830.5(a). The report shall be filed within 10 days after an accident for which notification is required by Section 830.5, or after 7 days if an overdue aircraft is still missing.

An aircraft accident, as defined in 49 CFR 830.2, is determined as an occurrence that involves a fatality or serious injury, or substantial damage to the aircraft. For occurrences that do not involve a fatality, the determination that the occurrence is an accident can be appealed by writing to the Director, Office of Aviation Safety, NTSB, 490 L'Enfant Plaza, S.W., Washington, D.C. 20594.

The NTSB uses this form for aircraft accident prevention activities and for statistical purposes. NTSB regulations (49 CFR Part 830) require that **ALL** questions be answered completely and accurately. Completion of this form will take approximately 60 minutes. The NTSB does not guarantee the privacy of any information provided in this form. You need not complete this form unless it displays a valid OMB control number, in accordance with 5 C.F.R. § 1320.5(b), which applies to this collection of information.

B. DEFINITIONS

1. "Aircraft Accident" means an occurrence associated with the operation of an aircraft that takes place between the time any person boards the aircraft with the intention of flight and all such persons have disembarked, and in which any person suffers death, or serious injury, or in which the aircraft receives substantial damage. For purposes of this form, the definition of "aircraft accident" includes "unmanned aircraft accident," as defined at 49 CFR 830.2.

2. "Substantial Damage" means damage or failure that adversely affects the structural strength, performance or flight characteristics of the aircraft, and that would normally require major repair or replacement of the affected component. NOTE: Engine failure or damage limited to an engine if only one engine fails or is damaged, bent fairing or cowling, dented skin, small puncture holes in the skin or fabric, ground damage to rotor or propeller blades, and damage to landing gear, wheels, tires, flaps, engine accessories, brakes, or wing tips are not considered "substantial damage" for purposes of this report.

3. "Operator" means any person who causes or authorizes the operation of an aircraft, such as the owner, lessee, or bailee of an aircraft.

4. "Fatal Injury" means any injury that results in death within thirty (30) days of the accident.

5. "Serious Injury" means any injury that (1) requires hospitalization for more than 48 hours, commencing within 7 days from the date the injury was received; (2) results in a fracture of any bone (except simple fracture of fingers, toes, or nose); (3) causes severe hemorrhages, nerve, muscle, or tendon damage; (4) involves injury to any internal organ; or (5) involves second- or third-degree burns, or any burns affecting more than 5 percent of the body surface.

INSTRUCTIONS TO PILOTS/OPERATORS FOR COMPLETING THIS FORM It is necessary that ALL questions on this report be answered completely and accurately. If more space is needed, continue on a blank sheet of paper.

Nearest City/Place: Use the name of the nearest community in the state where the accident/incident occurred.

DateDime: Indicate the date and local time of the event. Be sure to indicate the time zone.

Phase of Operation: Indicate the phase of operation during which the accident/incident occurred.

Aircraft Information: Enter aircraft make and model information as indicated on the aircraft registration certificate, including series. If the involved aircraft is certified as "amateur-built," include the name of the producer of the kit or plans, unless an NTSB employee instructs otherwise.

Maximum Gross Weight: Enter the certificated maximum gross weight for the aircraft involved in the occurrence. This should be the same as the maximum gross weight indicated on the aircraft weight and balance documents.

Engine: Enter engine make and model information as indicated on the engine data plate.

Type of Fire Extinguishing System: If a fire extinguishing system was used to fight an aircraft fire, specify the type(s) of extinguishing system(s) used. Examples include handheld extinguisher, engine fire bottle, cargo/baggage compartment fire suppression system, or airport emergency ground equipment.

Owner/Operator Information: Enter the owner information as shown on the registration certificate. Commercial operators, enter the operator information, including "doing business as" when applicable, as shown on the operator certificate.

Revenue Sightseeing Flight: Indicate whether the accident aircraft was conducting **revenue** sightseeing operations under 14 CFR Part 91 at the time of the accident.

Air Medical Flight: Indicate whether the accident flight was being conducted for the purpose of carrying medical personnel, patient(s), or organs.

Public Aircraft: Federal, state or local government flight operations such as official travel, law-enforcement, low-level observation, aerial application, firefighting, search and rescue, biological or geological resource management, or aeronautical research. Indicate whether the flight was conducted by the armed forces, federal, state, or local government.

Purpose of Flight: 14 CFR Parts 91, 103, 133, 136, and 137: Indicate the type of operation that was being conducted at the time of the occurrence using the following definitions:

AERIAL APPLICATION--Operations using an aircraft to perform aerial application or dispersion of any substance. Examples include agricultural, health, forestry, cloud seeding, firefighting, insect control, etc.

AERIAL OBSERVATION--These flights include aerial mapping/ photography, patrol, search and rescue, hunting, highway traffic advisory, ranching, surveillance, oil and mineral exploration, criminal pursuit, fish spotting, etc.

AIR DROP--Aerial operations, other than aerial application, that are intended to release items in flight.

AIR RACE/SHOW--Includes any flight operations conducted as part of an organized air race or public demonstration.

BUSINESS--includes all personal flying without a paid professional crew for reasons associated with furthering a business, including transportation to and from business meetings or work. This does not include corporate/executive operations, air taxi, or commuter operations.

EXECUTIVE/CORPORATE--Company flying with a paid, professional crew.

FERRY--Non-revenue flight under a special flight or "ferry" permit. Refer to 14 CFR 21.197 for details of special flight permit issuance.

FLIGHT TEST--Flight for the purpose of investigating the flight characteristics of an aircraft/aircraft component or evaluating an applicant for a pilot certificate or rating.

INSTRUCTIONAL--Flying while under the supervision of a flight instructor or receiving air carrier training. Personal proficiency flight operations and personal flight reviews, as required by federal air regulations, are excluded.

OTHER WORK USE--Miscellaneous flight operations conducted for compensation or hire such as construction work (not 14 CFR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.

PERSONAL--Flying for personal reasons (excludes business transportation) including pleasure or personal transportation. This also includes practice or proficiency flights performed under flight instructor supervision and not part of an approved flight training program.

POSITIONING--Non-revenue flight conducted for the primary purpose of relocating the aircraft. Examples include moving the aircraft to a maintenance facility or to load passengers or cargo etc.

UNKNOWN--Use only if the primary purpose of flight is not known.

Other Aircraft--Collision: For all accidents involving a collision with another aircraft, including parked aircraft, check "Collision with other aircraft" under Basic Information and complete this section indicating details about the OTHER aircraft involved in the collision.

Airport Information: Complete this section if the accident/incident occurred on approach, landing, takeoff, departure, or within 3 statute miles of an airport. Please refer to the FAA Airport/Facility Directory or other official source for airport information.

Airport Identifier: Provide the official 3 or 4 character airport identifier number.

 $\it Runway:$ Indicate the number of the runway used, including L, R, or C if applicable.

Runway/Landing Surface: Indicate the type of intended runway/landing surface (do not indicate surface conditions). If the surface type was mixed, check all that apply.

Condition of Runway/Landing Surface: Indicate the condition of the intended runway/landing surface. If multiple conditions existed at the time of the accident, check all that apply.

Weather Information at the Accident/Incident Site: Indicate the weather conditions reported at the accident/incident site at the time of occurrence. If no weather reporting was available for the accident/incident site, indicate the reported conditions at the nearest reporting site. Specify the weather reporting site identifier, the observation time, and distance from the accident/ incident.

Sky/Lowest Cloud Condition: Indicate the height above ground level of the lowest cloud condition present at the time of the accident/incident and whether coverage was reported as few, scattered, broken or overcast. Also indicate the height above ground level and coverage of the lowest cloud ceiling present at the time of the accident/incident (reported as broken or overcast).

NOTAMS (*D* and FDC), AIRMETs, SIGMETs, PIREPs: Describe all NOTAMS (distant (D) or Flight Data Center (FDC), if known), AIRMETs, SIGMETs, and PIREPs in effect near the accident/incident.

Flight Crewmember Information: Indicate the category that best describes the capacity served by this flight crewmember at the time of the accident. The designators "Flight Crewmember 1" and "Flight Crewmember 2" do not refer to a specific pilot position or responsibility. If more than one pilot is aboard, they may be entered in any order and their capacity entered as appropriate.

Degree of Injury: See Definitions on the top half of Page 1 of the instructions. Minor injury is not defined. If an injury does not meet the criteria for another injury category, select Minor.

Date of Last Flight Review or Equivalent: Enter the date of the most recent flight review, or equivalent, completed by this pilot. Refer to 14 CFR 61.56 for accepted equivalents.

Type Ratings: List all type ratings on the pilot certificate. If the pilot holds no type ratings indicate "none." If the pilot holds a pilot certificate other than student and was flying an aircraft requiring an endorsement, enter the type and date of any logbook endorsement(s) for that aircraft. See 14 CFR 61 for examples of required endorsements.

Student Endorsements: If the pilot holds a student pilot certificate, enter all solo endorsements and dates on the student pilot certificate.

Flight Time: Complete the flight time matrix. Solo flight time should be included as "Pilot-in-Command (PIC)" and all dual flight instruction given should be included as "Time as Instructor."

Additional Flight Crewmembers: Complete this section if there were more than two required flight crewmembers on the aircraft. This also includes a check airman performing official duties but does not include cabin crew. State the capacity served by each included crewmember at the time of the accident.

Passenger(s)/Other Personnel: Enter identification and injury severity information for all passengers, cabin crew, and other personnel involved in the accident. See Page 1 of the instructions for the official definition of injury levels.

Several questions throughout the form allow for multiple responses; when appropriate, choose all responses that apply.

These instructions only pertain to major issue areas covered by NTSB Form 6120.1 *Pilot/Operator Aircraft Accident/Incident Report*. For additional definitions of questions and responses, please refer to www.ntsb.gov.

NTSB Form 6120.1 (rev. 9/2013). This form replaces 6120.1/2.

NATIONAL TRANSPORTATION SAFETY BOARD PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT This form to be used for reporting civil and public aircraft accidents and incidents

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BASIC INFORMA							•• . /* ••		F •			
Accident/Incident Loc					N I		cident/Incid		l'ime			
Nearest City/Place: Faye ZIP: 37334	Country: Line			_ State: _	N	Da	te:		Lo	cal Time:	2:00PM	
Latitude: 35.06N		Longitude: 85.5	6W						Ti	me Zone: _	CDT	
(Enter in decima	l degrees or a	legrees:minutes:sec	conds)			Co	ollision with	Other Air	craft: C) Midair	OOn-groun	d O None
AIRCRAFT INFO	RMATIO	N										
Registration Number:							🗖 IFR-Equip	ped and Co	ertified			
Manufacturer: Piper							Commerci		ight			
Model: PA22-150						Μ	laximum Gr	oss Weigh	t: 2000		lbs	
Serial Number: 22-37	'87					W	eight at Tin	ne of Accio	lent/Inci	dent: <u>18(</u>	00	lbs
Year of Manufacture:	1956					N	umber of Se	ats: <u>4</u>		Flight Cre	ew Seats: 1	
Amateur-Built: OYes		OKit/Plans Mal	ke:				abin Crew Seat					
⊙ No		Original Design					umber of En	gines: <u>1</u>	1			
Category of Aircraft		irworthiness Ce	rtificate		Landing Ge		7.)			e Type (Se		10.1.
• Airplane • Balloon	(Check all t Standar				(Check all the	-	<i>ppty)</i> ractable		O Turb	procating o Shaft		d Rocket Rocket
OBlimp/Dirigible	Norma				Tricycle				O Turb	o Prop	OHybr	id Rocket
O Glider O Gyroplane	☐ Aerob ☐ Balloc						_	igh Skid	O Turb O Turb		ONone OUnkn	
OHelicopter									O Turo O Elec		U	lown
OPowered Lift	Transp				Float	5	□SI					
ORocket OUltralight	🗹 Utility		l Light-Spo mental Lig		□Hull			ci/Wheel	-		(Reciprocation	
OUnknown	□Certificate	e of Authorization	-	-	□ Other Lau	uncł	/Recovery Sys	stem	●Carb	uretor	O Fuel-	Injected
	None		Unknown	()	□ None		□ U	nknown				
		Engine		Monuf	acturer's		Date	Rated Pow O Horse		Total Time	Time Inspection	Since:
Engine Engine Manufa	cturer	Model/Series			Number		of Mfg. mm/dd/yyyy	O lbs of		(hours)	(hours)	(hours)
Eng. 1 Lycoming		0-320		3085-27	7			150		2144.4	24.4	587.16
Eng. 2												
Eng. 3												
Eng. 4			Propell	er 1	• Fixed P	Pitch	1	Prop	eller 2	0	Fixed Pitch	
Last Inspection Type			rropen		OControl	llabl	e Pitch	1100		Ō	Controllable	
O100-Hour OCont OAAIP OCont	tinuous Airwo ditional Inspe		_				nd Adjustable OGround Adjustable					
Annual OUnk				Manufacturer: <u>Sensenich</u> Manufacturer: <u>Model:</u> Model: <u>M74DM</u>								
Date Last Inspection: 02/19/20				stalled:		No					Check all that	
Airframe Total Time:	<i>mm/dd/yy</i> 2144 4	yy hrs	If Yes:		• •			□AD	S-B	•		11 57
hours measured at (S					er:				frame Para		r	
• Last Inspection OTime of Accident/Incident				Model or Part No.:					Angle of Attack Indicator			
Type of Maintenance Program (Select one)				TSO No.: OC91 (121.5 MHz) OC91a (121.5 MHz)					Data Recorder Electronic Flight Bag or Handheld Device			
• Annual			Was FL	– F still mo	unted in aircra	aft?		D D 1		altifunction		vice
O Conditional (Amateur-built only) O Manufacturer's Inspection Program				Г still con	nected to ante	nna		, □Ele	ctronic Pri	mary Fligh		
O Other Approved Inspect		(AAIP)			? OYes 💿	No			ndheld GP ads Up Dis			
O Continuous Airworthin	ess		If active		ocating Aircra	ft.		□ Heads Up Display □ Onboard Weather				
O Other, specify: Description of Fire Ex	tinguiski	System	-	ctivated:	ocating Airtra				ellite Tracl Il Warning	king Devic	e	
• None	unguisiiiig	System	Indicate		Impact Da	mag	e	□Vid	eo Record	ing Device		
O Specify:					Fire Dama	ige -		□Oth	er, Specify	y:		
					Battery Ex Unknown	pire	d/Damaged					

OWNER/OPERATOR INFORM	ATION	
Registered Aircraft Owner		City: Decherd
Name: Luke McClanahan		
Fractional Ownership Aircraft: O Yes G) No	Country: Franklin
Operator of Aircraft Same As Re	gistered Owner	Same Address as Registered Owner
Name:		City:
Doing Business As:		State: ZIP:
Air Carrier/Operator Designator (4 Charact	er Code):	Country:
Operating Certificates Held (Check all that apply)	Regulation Flight Conducted Un	der Revenue Operation for FAR 121, 125, 129, 135 (Select one for each group)
 None Flag Carrier Operating Certificate (FAR 121) Supplemental Air Cargo Foreign Air Carriers (FAR 129) Rotorcraft External Load (FAR 133) Commuter Air Carrier (FAR 135) 	OFAR 121 OFAR 135 OFAR OFAR 125 OFAR 137 OFAR OFAR 91 Special Flight O Non-US, Commercial	431 O Non-Scheduled or Air Taxi O International
 On-Demand Air Taxi (FAR 135) Commercial Air Tour (FAR 136) Agricultural Aircraft (FAR 137) Pilot School (FAR 141) Certificate of Authorization or Waiver (COA) Commercial Space Transportation Experimental Permit Commercial Space Transportation License Other Operator of Large Aircraft 	 Non-US, Non-commercial Public Aircraft <i>(Select one)</i> Armed Forces Federal State Local Unknown 	Purpose of Flight for FAR 91, 103, 133, 137 (Select one) O Aerial Application O Firefighting O Aerial Observation O Flight Test O Air Drop O Glider Tow O Air Race/Show O Instructional O Banner Tow O Other Work Use O Business O Personal O Executive/Corporate O Positioning
Revenue Sightseeing Flight	Air Medical Flight	OExternal Load OSkydiving OFerry
OYes ⊙No	O Yes O No	
AIRPORT INFORMATION (Fill in	if accident/incident occurred on app	proach, landing, takeoff, departure, or within 3 miles of an airport)
Airport Name: Fayetteville Municipal A		Distance From Airport Center: 0.4 sm
Airport Identifier: KFYM		Direction From Airport: 184 degrees true
Proximity to Airport: O Off Airport/Airstri	p On Airport/Airstrip ON/A	Airport Elevation: <u>984</u> ft. msl
Runway Information Runway ID: 02 (L/R/C) Length: 59 Runway/Landing Surface (Check all that all the construction) ☑ Asphalt □ Grass/Turf □ Macconstruction □ Concrete □ Gravel □ Meta □ Dirt □ Ice □ Snow	apply) adam 🔲 Water I/Wood	Condition of Runway/Landing Surface(Check all that apply)DrySnow-CompactedWater-CalmHolesSnow-CrustedWater-ChoppyIce CoveredSnow-DryWater-GlassyRoughSnow-WetWetRubber DepositsSoftSlush-CoveredVegetationUnknown
Approach/Departure Segment (Select one)	
OTaxi OTakeoff OInitial Climb	OOn Instrument Ap	proach ODownwind OLow Approach OBase OGo Around OFinal OAborted Landing (after touchdown) OCrosswind OUnknown
IFR Approach (Check all that apply) ☑ None		VFR Approach (Check all that apply)
ADF/NDB PAR SDF Sidestep VOR/TVOR ILS VOR/DME Localizer Only TACAN LOC-back course RNAV	MLSPracticeLDAGPSASRVisualContactCircling	Traffic Pattern Stop and Go Straight-In Touch and Go Valley/Terrain Following Simulated Forced Landing Go Around Forced Landing Full Stop Precautionary Landing Unknown Unknown

"FLIGHT CREWMEN	IBER 1" INF	ORMATI	ON								
"Flight Crewmember 1" Ra		t the Time of	f Accident/Inc	cident O Check Pilot	O Fligh	t Engineer	O Other I	Flight Crew			
"Flight Crewmember 1" wa	as pilot flying	✓Yes □N	No								
"Flight Crewmember 1" Id	entification										
First Name: Luke				(City of Re	sidence: D	echerd				
Middle Initial: D				S	tate: TN			ZIP: 37324			
Last Name: McClanahan					Country:			<u></u>			
	f Accident/Incide	ent: 28	Date of E		ountry.	_	m/dd/yyyy				
Age at time of	Accident/inclus		-			<i>m</i>	m/aa/yyyy				
Domes of Inform	Seat Oran		ertificate Nur		4						
Degree of Injury● None ○ Fatal	Seat Occup • Left	O Front	O Unknov		traint Ty	-		1	nflatable R	lestraints	
O Minor O Unknown O Serious	O Right O Center	O Rear O Single	OCHINIO		Available O None O Lap or		Used ONone OLap onl	v	✓ Not Inst ☐ Installed		
Pilot Certificate(s) (Check a	ll that apply)				O 3-poin		O ³ -point	5	□ Not Dep	oloyed	
□ None □ Flight		Commercial	🗖 US M		• 4-poin		• 4-point • 5-point		Deploye		
□ Private □ Recrea	tional	Airline Transp Flight Enginee		n	O 5-poin O Unkno		O J-point O Unknov	vn		11	
□ Student □ Sport		i ngin Enginet	-1		-		-				
Principal Occupation	Medical Certifi	cate		Me	dical Cer	tificate Va	lidity]	Date of Las	t Medical	
• Other	O Class 1	Class 3 Driver's Lice Unknown	ense (Sport Pilot	tonly) OV		itations/wai ions/waivers ance		Inknown I/A	<u>05/29/20</u> mm/dd/yy		
Medical Certificate Special	Issuance										
Date of Last Flight Review		Fligh	t Review Airo	maft							
or Equivalent, Including		U		rait							
FAR 121/135 Checks:	06/05/2019		Cessna								
	mm/dd/yyyy		I: <u>172</u>								
Airplane Rating(s)	Other Aircra (Check all that a			ent Rating(s)							
<i>(Check all that apply)</i> □ None	None	αρριγ)	(Check al	l that apply)	opply) (Check all that apply) ☑ None □ Instrument A					Virnlana	
Single-Engine Land	Airship		☑ None ☑ Airpla	ine	Airplane Single-Engine Instrumen						
□ Single-Engine Sea	Balloon		Helico	opter			e Multi-Engi		Helicopter	1	
 Multiengine Land Multiengine Sea 	☐ Glider ☐ Gyroplane		D Power	red Lift		Gyropla			Glider Sport		
	Helicopter						u Ent		Sport		
	□ Powered Lif	ì				<u> </u>					
Type Ratings	Type Ratings Student Endorsements (Include dates)										
Flight Time (Enter appropriat	2		Airplane			Inst	rument				
number of hours in each box)	e All Aircraft	This Make & Model	Single Engine	Airplane Multiengine	Night	Actual	Simulated	Rotorcraft	Glider	Lighter Than Air	
Total Time	234	42	225	10	-	-	41	0	0	0	
Pilot in Command (PIC)	166	42	163	3			38	0	0	0	
Time as Instructor	0	0	0	0	(0 0	0	0	0	0	
This Make/Model					(0 0	0				
Last 90 Days	36	36	36	0	(0 0	0	0	0	0	
Last 30 Days	4	4	4	0	(0 0	0	0	0		
	0	0	0	•		0 0	•	•	0	0	

"FLIGHT CREWMEN	IBER 2" INFO	RMATIC	ON							
"Flight Crewmember 2" R										
OPilot OCo-Pilot	O Student Pilot	O Flight Ir		Check Pilot	OFli	ght Engineer	O Other I	Flight Crew		
"Flight Crewmember 2" w	as pilot flying 🛛 🗌	Yes 🛛	No							
"Flight Crewmember 2" Id	lentification									
First Name:				C	ity of Re	esidence:				
Middle Initial:				S	tate:		Z	IP:		
Last Name:										
	Accident/Incident:			-						
Age at time of	Accident/ incident.						, aa, yyyy			
Degree of Injury	Seat Occupie		rtificate Numb		straint T				nflatable R	loctucinto
O None O Fatal	O Left	OFront	OUnknow	710				1	milatable F	lestraints
O Minor O Unknown	O Right	ORear	• • • • • • • • •		Availab O Non		Used O None		□ Not Inst	alled
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Pilot Certificate(s) (Check a					O 3-pc		O 3-point		□ Not Dep □ Deploye	
		ommercial	US Mi		O 4-pc O 5-pc		O 4-point O 5-point			
□ Private □ Recrea □ Student □ Sport		irline Transpo ight Engineer		1	O Unk		O Unknow	vn		
		-one Engineer	-							
Principal Occupation	Medical Certificat	te		Me	dical Co	ertificate Va	lidity		Date of Las	t Medical
O Pilot		Class 3				imitations/waiv		nknown		
O Other O Unknown		Driver's Licei Unknown	nse (Sport Pilot	only) O	With limi Special Is	tations/waivers	S O N	/A	mm/dd/yyyy	
Medical Certificate Limita	•••••••••••				op ee iai io	saanoo				
Wieulcai Certificate Liffita	uons									
Medical Certificate Special	Issuance									
Meulear Certificate Special	issuance									
Data of Lost Flight Design		El La	D. 1. 41							
Date of Last Flight Review or Equivalent, Including		Flight	Review Airc	ratt						
FAR 121/135 Checks:		Make:								
	mm/dd/yyyy	Model	:							
Airplane Rating(s)	Other Aircraft			ent Rating(s	5)	Instructor				
(Check all that apply)	(Check all that app	ply)	(that apply)		(Check all th	at apply)			
□ None □ Single Engine Land	□ None		None		□ None □ Instrument Airplane □ Airplane Single-Engine □ Instrument Helicopte					
☐ Single-Engine Land ☐ Single-Engine Sea	☐ Airship ☐ Balloon		☐ Airplaı ☐ Helico			Airplane Airplane			Instrument H Helicopter	elicopter
☐ Multiengine Land	☐ Glider					Gyroplan			Glider	
☐ Multiengine Sea	Gyroplane					D Powered			Sport	
	☐ Helicopter ☐ Powered Lift									
Type Ratings						Student Fr	Idorsomon	ts (Include d	atas)	
Type Ratings						Student El	iuorsemen	is (include di	ules)	
			Airplane			Inet	rument			Ι
Flight Time (Enter appropriate number of hours in each box)		This Make	Single	Airplane Multionging	Niah			Dotononoft	Clidar	Lighter
Total Time	Aircraft	& Model	Engine	Multiengine	Nigh	t Actual	Simulated	Rotorcraft	Glider	Than Air
Pilot in Command (PIC)					+		+		<u> </u>	+
Time as Instructor			_				+			
This Make/Model										
Last 90 Days										
Last 30 Days										
Last 24 Hours										

		BERS (Exclusive	e of cabin cr	ew, complete	e the followin	g information)		
Crew Name and Addr	ress						Seat Occupie	d	Injury
Middle Initial:		State	e:		ZIP:		O Left O Center O Right	O Front O Rear O Single O Unknown	O None O Minor O Serious O Fatal O Unknown
Pilot Certificate(s) (C None Private Student Type Rating/Endorser Accident/Incident Air	Flight Instructor Recreational Sport ment for	□ Airl		oort DFor er light Time at		hrs	Restraint Ty Available O None O Lap Only O 3-point O 4-point O 5-point O Unknown	De: Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Inflatable Restraints Not Installed Installed Not Deployed Deployed Unknown
Crew Name and Addr	ress						Seat Occupie	d	Injury
Middle Initial:		State	e:		ZIP:		OLeft OCenter ORight	O Front O Rear O Single O Unknown	O None O Minor O Serious O Fatal O Unknown
Pilot Certificate(s) (C	Flight Instructor Recreational Sport ment for craft? Yes	Airl Flig	of this A	oort	-	hrs	Restraint Ty Available O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Inflatable Restraints Not Installed Installed Not Deployed Deployed Unknown
PASSENGER(S)/							4 16		
	STILK FERSU	NNEL (I	Include c	abin crew; c	ontinue on s	eparate shee	t if necessary)	Inflatable	
Name and Address		NNEL (I	Include c	abin crew; c Seat	ontinue on s Injury	eparate shee Restraint T		Inflatable Restraints	Age
	City : <u>Winches</u> State: <u>TN</u> Z Country: <u>U.S.</u>	<u>ster</u> ZIP: <u>3739</u> { .A.	8			Restraint T Available ONone OLap Only O3-point O4-point	Sype Used O None O Lap Only O 3-point O 4-point O 5-point		☐ Under 5 years <i>If Under 5,</i> O Child Restraint O Lap-Held
Name and Address First Name: <u>Christoper</u> Middle Initial: <u>Ray</u> Last Name: <u>Harper</u>	City : <u>Winches</u> State: <u>TN</u> 2 Country: <u>U.S.</u> @Passenger City : State: 2	<u>ster</u> ZIP: <u>3739</u> .A. O Oti	8 her	Seat OLeft OCenter ØRight OUnknown	 ● None ○ Minor ○ Serious ○ Fatal 	Restraint T Available O None O Lap Only O 3-point O 4-point O 5-point	Yype Used ○ None ○ Lap Only ○ 3-point ○ 4-point ○ 5-point ○ Unknown Used ○ None ○ Lap Only ○ 3-point ○ 4-point ○ 4-point ○ 5-point	Restraints Not Installed Installed Not Deployed Deployed	□ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held
Name and Address First Name: Christoper Middle Initial: Ray Last Name: Harper OCrew First Name: Middle Initial: Last Name:	City : <u>Winches</u> State: <u>TN</u> 2 Country: <u>U.S.</u> @Passenger City : State: 2 Country: @Passenger City : State: 2	<u>ster</u> ZIP: <u>37398</u> .A. O Oti ZIP:	8 her her	Seat OLeft OCenter ØRight OUnknown Row: OLeft OCenter ORight OUnknown	Injury None Minor O Serious O Fatal O Unknown O None O Minor O Serious O Fatal	Restraint T Available ONone OLap Only O3-point O4-point OUnknown Available ONone OLap Only O3-point O4-point O5-point	Yype Used O None O Lap Only O 3-point O 4-point O Unknown Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown Used O None D Lap Only O 3-point O Unknown Used O None D Lap Only O 3-point O 4-point O 5-point O 5-point O 5-point	Restraints Not Installed Not Deployed Deployed Unknown Not Installed Installed Doployed Deployed	□ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years

FLIGHT ITINERARY	INFORMATIO	N							
Last Departure Point	e of Departure	Destinatio	n		Type Fligh	nt Plan F	ïled		
Airport ID: 8A1			Airport ID:	KFYM		• None		O VFR/IFR	
City: GUNTERSVILLE		Time: <u>1:00PM</u>		ETTVILLE		O Company O Military		O IFR O Unknown	
State: ALABAMA	Tim	e Zone: CDT	State: TN			O VFR	VIK	Olikilowii	
Country: USA	Country: USA		Country: U	SA		Activated?	OYes	O No O Unknown	
Type of ATC Clearance/Se	ervice (Check all that	apply)							
	Special VFR		ecial IFR R On Top		□ VFR Flight Foll □ Traffic Advisory		Cruis	se nown / NA	
Airspace where the accide							Altitu	de of In-Flight	
—	✓ Class G □Demo Area		itary Operations port Advisory A		Special Air Traffic Contr	ol Aroo		rence:	
	Warning Area	🔲 Jet	Training Area	ica		01 Alca	984	ft msl	
Class D	Prohibited Area	TR FA							
	Restricted Area								
WEATHER INFORM		E ACCIDEN	I/INCIDEN						
Source of Pilot Weather In (Check all that apply)	iformation				servation Facility				
National Weather Service	Con			Facility ID: K					
☐ Flight Service Station ☐ TV/Radio				Observation Ti					
Automated Report	☐ Inte ☐ Nor			Time Zone: <u>C</u>					
Commercial Weather Servic	e (DUATS) 🔲 Unk	nown			Accident Site: 0				
On-Board Weather				Direction from	Accident Site: 0		_ degrees	true	
Basic Conditions O VMC		Light Conditi ODawn	ODusk		x Night O Un	known			
O IMC		O Day	ONight		ht Night	KIIOWII			
O Unknown			0						
Sky/Lowest Cloud Condition		Ceiling	_		Temperature:	16	(C) or _	(F)	
⊙ Clear O Few	O Thin Broken O Thin Overcast	 None (Clear) Broken O Obscured O Indefinite 			Dew Point: (C) or(F)				
O Partial Obscuration	OUnknown	O Dioken O Indefinite O Overcast O Unknown			Altimeter Setting: in. Hg				
O Scattered					Altimeter Sett	or	III. 1 MB	ng	
Lowest Cloud Condition I	ft agl	Ceiling Heigh	t	ft agl					
Wind Direction	Wind Speed		Wind Gusts		Visibility	10	miles		
□ Variable	Calm		Not Gustir	ng	RVR	:			
-0r-	Light and Vari	able	-0r-			:	miles		
Direction: 350 degrees true	-	kts	Speed: 10	kts	Density Altitu			ft	
Intensity of Precipitation	Type of Precipit	ation (Check all t			Restriction to		heck all t	-	
OLight	☑ _{None}	Drizzle	☐ Freezin	g Rain	✓ None				
O Moderate	Rain	□ Ice Pellets	Snow S	hower	Blowing Du		Ground Fo Haze	og	
OHeavy ON/A	□ Snow □ Hail	□ Snow Pellet □ Snow Grain			☐ Blowing Sa ☐ Blowing Sn		ce Fog		
OUnknown	Rain Showers	□ Ice Crystals		0	Blowing Sp		Smoke		
T T T		.			Dust		Jnknown		
Icing Forecast Amount Type		Icing Actual Amount	Туре		Turbulence Type (Check a	ll that apply)	Se	verity	
\odot None O N/A		 None 	ON/A		None	ii inai appiy)	~	Lighť	
O Trace O Rime O Light O Clear		O Trace O Light	O Rime O Clear		Clear Air Terrain-Indu	uced		Moderate Severe	
O Moderate O Mixed	l	O Moderate	O Clear O Mixe					Extreme	
O Severe O Unknown	own	O Severe O Unknown	O Unkr	nown					
NOTAMs (D and FDC),	AIRMETs, SIG	METs, PIREP	s in effect at	the time of tl	he accident/incio	lent:			

DAMAGE TO AIRCRAFT AND OTHER PROPERTY

Aircraft Damage

O None O Minor

geAircraft FireImage: SubstantialImage: NoneImage: DestroyedImage: SubstantialImage: UnknownImage: One-Ground

O Both Ground and In-Flight O Fire at Unknown Time O Unknown

Aircraft Explosion

None
 In-Flight
 On-Ground

O Both Ground and In-Flight O Explosion at Unknown Time O Unknown

Description of Damage to Aircraft and Other Property (Use additional sheet if necessary)

RIGHT GEAR COLLAPSE AND FOUNDED UNDER BELLY, RIGHT WING TIP DAMAGE INCLUDING BENT REAR SPAR. LEFT LONGERON AT TAILWHEEL BENT. RIGHT ELEVATER BENT UPWARD

NARRATIVE HISTORY OF FLIGHT (Please type or print in ink)

Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State departure time and and location, services obtained, and intended destination. Provide as much detail as possible.

Depated 8A1 at about 1:00pm local time and headed direct KFYM. after a low approach to check wind sock and landing conditions, I completed another traffic pattern and initiated a fuull stop landing. As I was landing at KFYM I had about a five knot left crosswind component, decided to do a wheel landing. When the right main landed, the aircraft immediately veered to the right, I immediately corrected to the left. When I tried to maintain directional control of the aircraft, I had no no control to the right. Therefore the aircraft continued to veer left after my left correction. When I knew I was headed towards the grass and ditch on the side of the runway. I induced a left ground loop in order to stay out of the ditch and keep the outboard wing flying. The aircraft came to a rest right off centerline of the runway, with the right wing laying on the asphalt. Me and the passenger exited the aircraft and immediately called the FBO for assistance in getting the plane off the active runway. Was able to move it to a tiedown location on the ramp.

RECOMMENDATION (How	/ could this ad	ccident/incident ha	ve been pre	vented?)			
Operator/Owner Safety Recomm	endation						
I believe that the right rear lan load due to the left crosswind before each flight, and also se	and not being	g completey direc	tionally stat	ole. going	forward i will i	nway. this was prob inspect gear for fati	ley caused some side gue cracks closer
MECHANICAL MALFU			e space is n	eeded. co	ontinue on sepa	arate sheet)	
Was there Mechanical Malfund (If yes, list the name of the part, manual	ction/Failure	? □ Yes ☑ No				,	Total Time/Cycles On Part
							Hours
							Cycles
							Time Since This Part
							Inspected/Overhauled
							Hours
FUEL & SERVICES INF							
Fuel on Board at Last Takeoff (Convert from pounds, as necessary)		Fuel Type O 80/87	O 115/145		O Jet B	O Other, specify	
20	Gallons	 100 Low Lead 100/130 	O Jet A O Jet A-1		O JP8 O Automotive		
Other Services, if Any, Prior to	Departure	•	••••		•		
EVACUATION OF AIRC	RAFT						
Was an emergency evacuation	of the aircraf	t performed?	🗹 Yes	🗆 No			
Method of Exit – Describe how	-		5 1				
WHEN THE AIRCRAFT CAM BEHIND THE AIRCRAFT PE				HE AIRC	RAFT OUT O	F THE RIGHT FRC	ONT DOOR AND MEET
OTHER AIRCRAFT – C	OLLISION	(If air or ground (collision occ	curred. co	mplete this sec	tion for other aircra	ft)
Aircraft Registration Number		rer:				n	nage to Other Aircraft
		· · · · · · · · · · · · · · · · · · ·					Destroyed I Minor Substantial None
Registered Owner of Other Air					Other Aircraft		
Name:				Name:			
City:ZIP:Z				City:			
State:ZIP:ZIP:				State: Country		ZIP:	

ADDITIONAL INFORMATION (Please type or print in ink)

Use this space if additional space is needed for any answers.

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE											
Date of this Report	Name of l	Pilot/Operator: LUKE MCCLANAHAN									
06/05/2020	<u>06/05/2020</u> Signature:										
mm/dd/yyyy											
If a Person Other that	an Pilot/Op	erator is Filing Report									
Name:				Title:							
Signature:											
or 🔲 C	or Check here to electronically sign this document										
	FOR NTSB USE ONLY										
NTSB Accident/Inci	dent No.	Reviewed by NTSB Regional Office	Name of Investig	ator	Date Report Received						
ERA20CA185		ERA	D. Boggs		June 5, 2020						