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

Date/Time: 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, aenal 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.

 $\ensuremath{\textit{Runway}}.$ 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 rafer 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 enteria 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.

NATIONAL TRANSPORTATION SAFETY BOARD PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT

This form to be used for reporting civil and public aircraft accidents and incidents

BASI	CINFORMA	TION										337
Accident/Incident Location							Accident/Incident Date/Time					
Nearest City/Place: Franklin State: Kr							Date: 07/0	8/2019	Lo	cal Time:	11:00 A	M
ZIP:	(Country: _ 4	SA				mm/a	dyyyy				
Latitude			Longitude:						11	me Lone:		
	(Enter in decima	l degrees or	degrees:minutes:se	conds)		C	Collision with	Other Air	craft: () Midair	OOn-grou	nd &None
AIRC	RAFT INFO	RMATIO	N							1		
Manufa	ation Number:	Hetic	opter_				☐ IFR-Equi ☐ Commerce ☐ Unmanne	ial Space Fl				
Model:	B47-63					7	Maximum G	ross Weigh	+ 29	50	lbe	
Serial I	lumber. Tow	cct MK	6C: CCI	73-2			Weight at Tir					lbs
	Manufacture:						Number of Se				And Address	
Amateu	ir-Built: QYes		OKit/Plans Ma				Cabin Crew Sea					
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Eng. 1	Lycomi.	g	V6435	AIF	4172	0-52016		250		•	127.7	134.3
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Eng. 3					-		-					
Last Inspection Type O100-Hour OContinuous Airworthiness OAAIP OConditional Inspection OUnknown			ction	Propeller 1 OFixed Pitch OControllable Pitch OGround Adjustable Manufacturer: Model: Model: OFixed Pitch OControllable Pitch OControllable Pitch OGround Adjustable Manufacturer: Model: Model:					ıstable			
Date Last Inspection:				If Yes: ELT Man Model or TSO No.: Was ELT Was ELT Did ELT If activa	Part No. OC91 (OC126 still mod still con Activate ted: Aid in L tivated:	OYes ONe (121.5 MHz) OC (406 MHz) unted in aircraft: mected to antenn: OYes ONe ocating Aircraft: Impact Dama Fire Damage IBattery Expir Unknown	91a (121.5 MH ? OYes ONG a? OYes ONG OYes ONG	AD. Ang. Ang. Aut. Blecc. Blec	S-B rame Para de of Attac opilot a Recorder	chute ck Indicate cht Bag or ltifunction mary Fligh clay ther ing Device System ing Device	Handheld Do Display at Display	

OWNER/OPERATOR INFORM	IATION						
Registered Aircraft Owner		City: Kersey					
Name Eric Wolfe			ZIP:				
Fractional Ownership Aircraft: O Yes			241				
Operator of Aircraft	Registered Owner	Same Address as Registere	ed Owner				
The second secon		City: Gallativ					
Name: Glenn Speas Doing Business As: Tri State	Helicopters Inc	State: TN	ZIP: 37066				
Air Carrier/Operator Designator (4 Chara	cter Code):						
/ in curious operator possibility (· sale		Country, 72.5					
Operating Certificates Held (Check all that apply)	Regulation Flight Conducted Un	der Revenue Operation for (Select one for each group)	FAR 121, 125, 129, 135				
□None □Flag Carrier Operating Certificate (FAR 12)	OFAR 91 OFAR 129 OFAR OFAR 103 OFAR 133 OFAR	431 ONon-Scheduled or Air Ta					
Supplemental	OFAR 121 OFAR 135 OFAR OFAR 125 OFAR 137 OFAR						
☐ Air Cargo ☐ Foreign Air Carriers (FAR 129)		O Passenger					
☐Rotorcraft External Load (FAR 133)	OFAR 91 Special Flight ONon-US, Commercial	O Cargo O Mail Contract Only					
☐Commuter Air Carrier (FAR 135) ☐On-Demand Air Taxi (FAR 135)	ONon-US, Non-commercial	O Mail Contract Only					
Commercial Air Tour (FAR 136) Agricultural Aircraft (FAR 137)	OPublic Aircraft (Select one)	Purpose of Flight for FA (Select one)	R 91, 103, 133, 137				
☐Pilot School (FAR 141) ☐Certificate of Authorization or Waiver (CO.	O Armed Forces O Federal	Aerial Application	OFirefighting OUnknown				
Commercial Space Transportation	OState	O Aerial Observation	OFlight Test OGlider Tow				
Experimental Permit Commercial Space Transportation License	OLocal		Olistructional				
Other Operator of Large Aircraft	OUnknown	The state of the s	OBanner Tow OOther Work Use OBusiness OPersonal				
		The state of the s	O Personal O Positioning				
Revenue Sightseeing Flight	Air Medical Flight	O External Load	OSkydiving				
OYes No	OYes ONo	ОГепу					
AIRPORT INFORMATION (Fill	n if accident/incident occurred on app	proach, landing, takeoff, departu	re, or within 3 miles of an airport)				
Airport Name:		Distance From Airport Cente	er: sm				
Airport Identifier:		Direction From Airport:					
Proximity to Airport: O Off Airport/Airs	rip OOn Airport/Airstrip N/A	Airport Elevation:					
Runway Information		Condition of Runway/Landing					
Runway ID:(L/R/C) Length: _	ft Width:ft	☐ Dry ☐ Snow-C					
Runway/Landing Surface (Check all the		☐ Ice Covered ☐ Snow-I	Dry Water-Glassy				
	cadam Water tal/Wood	Rough Snow-\ Rubber Deposits Soft	Vet Wet				
Dirt lee Sn	CONTROL OF THE PROPERTY OF THE	Slush-Covered Vegetat	tion				
Approach/Departure Segment (Select o	ne)		×				
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OTakeoff OIFR Departure Pr		OBase C	Go Around				
Olnitial Climb			Aborted Landing (after touchdown) Unknown				
IFR Approach (Check all that apply)		VFR Approach (Check all that	apply)				
□None		□None	TEV				
□ADF/NDB □PAR	□MLS □Practice	☐ Traffic Pattern	☐ Stop and Go				
□SDF □Sidestep	□LDA □GPS	Straight-In	Touch and Go				
□VOR/TVOR □ILS □VOR/DME □Localizer Only	□ASR	☐ Valley/Terrain Following	Simulated Forced Landing				
the sandy and the sandy are Color	Company of the compan						
	□Visual □Contact	☐ Go Around	Forced Landing				
TACAN LOC-back course	□Visual						

		RMATIO	N Washington						
	O Student Pilot	OFlight Ins	structor O Check	Pilot O Fligh	nt Engineer OOthe	r Flight Crew			
"Flight Crewmember 1" was									
"Flight Crewmember 1" Ide First Name: Athon	ntification	FIA		O': 5TD	· Salke	r. 1/6.			
	CNVIDIE	118	-	City of Re	esidence: Selte	CITIC			
Middle Initial:					w	ZIP:			
Last Name: VaS				Country:					
Age at time of	Accident/Incident		Date of Birth:	198	4 min/dd/yyyy				
	Tava v		rtificate Number.	D					
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Pilot Certificate(s) (Check all	that apply)			OLap o O3-poi			Not De		
□ None □ Flight Ir □ Private □ Recreate □ Student □ Sport	ional Co	mmercial rline Transpor ght Engineer		O 4-poi O 5-poi O Unkn	nt O5-poi	nt	☐ Deploy ☐ Unknow		
Principal Occupation N	Medical Certificat	e		Medical Cer	rtificate Validity		Date of La	st Medical	
Pilot Other	None OC Class 1 OD	Class 3	se (Sport Pilot only)	OWithout lin	mitations/waivers chions/waivers	Unknown N/A			
Date of Last Flight Review or Equivalent, Including		Flight							
Airplane Rating(s) (Check all that apply) None Single Engine Land Single-Engine Sea Multiengine Land Multiengine Sea	Other Aircraft I (Check all that app None Airship Balloon Glider Gyroplane Helicopter Powered Lift	Make: _ Model: Rating(s)	Review Aircraft Roberts P	ting(s)	Instructor Rating((Check all that apply) None Airplane Single-E Airplane Multi-En Gyroplane Powered Lift	ngine C gine C	Instrument Instrument Helicopter Glider Sport		
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"FLIGHT CREWMEM	BER 2" INF	ORMATIO	N							
"Flight Crewmember 2" Res		and West State of the	Accident/Inc	cident OCheck Pilot	OFli	ght Engineer	OOther I	light Crew		
"Flight Crewmember 2" was	pilot flying	□Yes □1	No							
"Flight Crewmember 2" Ide	ntification									
First Name:					City of Re	esidence:				
Middle Initial:										
Last Name:										
THE WAS ASSESSED TO A SECOND OF THE PARTY OF			n en							
Age at time of A	Accident/Inciden					mn	i/dd/yyyy			
	1		tificate Numb							
O None O Fatal	Seat Occupi		0		estraint T	Гуре			Inflatable l	Restraints
O None O Fatal O Minor O Unknown O Serious	O Right O Center	OFront ORear OSingle	OUnknov	wn	O Non- O Lap	e	O None O Lap only		□ Not Ins	
Pilot Certificate(s) (Check all	that apply)				O 3-po		O 3-point	' I	□ Not De	
□ None □ Flight In		Commercial	US Mi	ilitary	O 4-po		O 4-point		Deploy	
☐ Private ☐ Recreati ☐ Student ☐ Sport		Airline Transpor Flight Engineer		n	O 5-po O Unk		O 5-point O Unknov	vn .	Unkno	wn
Principal Occupation M	1edical Certific	ate		М	edical Ce	ertificate Va	lidity		Date of La	st Medical
The second secon		Class 3				imitations/wai		nknown		
O Other	Class 1	Driver's Licen	se (Sport Pilot			tations/waivers			mm/dd/vyyv	
O Unknown C Medical Certificate Limitation	-	Unknown] 0	Special Is	suance			mm/aa/y))) <i>y</i>
Date of Last Flight Review or Equivalent, Including		Flight	Review Airc	craft						
FAR 121/135 Checks:	16-76									
	mm/dd/yyyy	Model:								
Airplane Rating(s)	Other Aircraf	967.76	The second secon	ent Rating((s)	Instructor				
(Check all that apply) None	(Check all that a) None	pp(y)	4	I that apply)		(Check all the None	iat apply)		Instrument A	Contons
☐ Single-Engine Land ☐ Single-Engine Sea ☐ Multiengine Land ☐ Multiengine Sea	Airship Balloon Glider Gyroplane Helicopter Powered Lift		□ None □ Airplane □ Helicopter □ Powered Lift			None Instrument Airplane Instrument Airplane Instrument Helicop Instrument Helicop Instrument Helicop Instrument Helicop Instrument Helicop Instrument Airplane Instrument Helicop Instrument Helico				
Type Ratings	_					Student E	ndorsemen	ts (Include a	lates)	
			Aimle							
Flight Time (Enter appropriate number of hours in each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengin	e Nigh		rument Simulated	Rotorcraft	Glider	Lighter Than Air
Total Time										
Pilot in Command (PIC)										
Time as Instructor										
This Make/Model										
Last 90 Days										
Last 30 Days										
Last 24 Hours					4.4					

ADDITIONAL F	LIGHT CREWMEM	BERS (xclusive of cabin c	rew, complete	the followin	g information)			
Crew Name and A	ddress					Seat Occupio	·d	Injury	
First Name:	f Residence:			O Left O Center	O Front O Rear	O None O Minor			
Middle Initial:						ORight	O Single	O Serious	
Last Name:		_ Cour	ry:		-		OUnknown	O Fatal O Unknown	
	(Check all that apply)			2.00		Restraint Ty Available	pe: Used	Inflatable Restraints	
☐ None ☐ Private ☐ Student	☐ Flight Instructor ☐ Recreational ☐ Sport			S Military oreign		O None O Lap Only O 3-point	O None	Not Installed	
Type Rating/Endo Accident/Incident	Total Flight Time : of this Accident/Inc		hrs	O 4-point O 5-point O Unknown	O 4-point O 5-point O Unknown	☐ Not Deployed ☐ Deployed ☐ Unknown			
Crew Name and A	ddress					Seat Occupie	d	Injury	
First Name:		City	f Residence:			OLeft	OFront	O None	
Middle Initial:			ry:			OCenter ORight	O Rear O Single O Unknown	O Minor O Serious O Fatal O Unknown	
Pilot Certificate(s)	(Check all that apply)					Restraint Ty Available	pe: Used	Inflatable	
None	☐ Flight Instructor	Com		S Military		O None	O None	Restraints	
☐ Private ☐ Student	☐ Recreational ☐ Sport		ne Transport	oreign		O Lap Only O 3-point	O Lap Only O 3-point	Not InstalledInstalled	
Type Rating/Endo	APPARENT FAR		Total Flight Time	st the Time		O 4-point	O 4-point	☐ Not Deployed ☐ Deployed	
Accident/Incident			of this Accident/Inc		hrs	O 5-point O Unknown	O 5-point O Unknown	Unknown	
) / OTHER PERSON					t if necessary)			
Name and Address	s		Seat	Injury	Restraint T	уре	Inflatable Restraints	Age	
First Name:	City:				Available ONone	Used O None			
Middle Initial:			OLeft	ONone OMinor OSerious OFatal OUnknown	OLap Only O3-point O4-point	O Lap Only	Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If Under 5, O Child Restrain	
Last Name:	Country:		ORight			O 3-point O 4-point O 5-point O Unknown			
O Crew	O Passenger	Ootl	OUnknown Row:					O Lap-Held O Unknown	
First Name:	Ciry :			0	Available ONone	Used O None			
	State: 2		OLeft	O None O Minor	OLap Only	O Lap Only	Not Deployed Deployed Unknown	Under 5 years	
Last Name:	Country:		ORight OUnknown	O Serious O Fatal	O3-point O4-point	O 3-point O 4-point			
O Crew	OPassenger	Ootl		OUnknown	O5-point OUnknown	O 5-point		O Child Restrain O Lap-Held O Unknown	
First Name:	City :			0	Available ONone	Used O None			
Middle Initial:			OLeft	O None O Minor	OLap Only	O Lap Only	□ Not Installed □ Installed	Under 5 years	
Last Name:	Country:		ORight	O Serious O Fatal	O3-point O4-point	O 3-point O 4-point	☐ Not Deployed ☐ Deployed	A STATE OF THE PARTY OF THE PAR	
OCrew	OPassenger	Ood	OUnknown Row:	OUnknown	O 5-point OUnknown	O 5-point	Unknown	O Child Restrain O Lap-Held O Unknown	
First Name: City :			- 0.	0);	Available ONone	Used O None			
I that I secretar	City:		Ullett	O None O Minor	O None O Lap Only	O Lap Only	☐ Not Installed	☐ Under 5 years	
	City: 2		OCenter	OMinor			■ Installed	The second secon	
Middle Initial:		ZIP:	OCenter	OSerious	OLap Only O3-point O4-point	O 3-point O 4-point	☐ Installed ☐ Not Deployed ☐ Deployed	If Under 5, O Child Restrain	

FLIGHT ITINERARY				11			
Last Departure Point		me of Departure Destination		ion		Type Fligh	t Plan Filed
Airport ID: Jocal Jarm		0.20	Airport ID	Airport ID:		● None	O VFR/IFR
City: Gallatin	Im	ie: 9:30				O Company	VFR O IFR
State: TN	Tim	e Zone: Centre	47.1			O Military V	FR O Unknown
		2010,				OVFR	Ov. Ov. Ov.
Country: US			Country:			Activated?	OYes ONo OUnknow
Type of ATC Clearance/Ser							
	Special VFR		ecial IFR		□ VFR Flight Follo		☐ Cruise
	IFR		R On Top		☐ Traffic Advisory	/	Unknown / NA
Airspace where the acciden					_		Altitude of In-Flight
Annual Control of the	Class G		itary Operations port Advisory A		Special Air Traffic Contr	-1 4	Occurrence:
	Demo Area Warning Area		Training Area	rea	Unknown	OI AIEa	ft msi
	Prohibited Area	☐ TR					
☐ Class E	Restricted Area	☐ FAI	R 93				
WEATHER INFORMA	ATION AT TH	E ACCIDEN	T/INCIDEN	IT SITE			
Source of Pilot Weather Inf					bservation Facility		
(Check all that apply)				Facility ID:			
☐ National Weather Service	☐ Con						
☐ Flight Service Station	□ Mil				Minte:		
☐ TV/Radio ☐ Automated Report	☐ Inte						
Commercial Weather Service	SCHOOL PROPERTY PROPERTY OF STREET				Accident Site:		nns
On-Board Weather				Direction from	n Accident Site:		degrees true
Basic Conditions		Light Conditi	on				
● VMC		ODawn	ODusk		_	known	
OIMC		Day	ONight	OBui	ght Night		
OUnknown							03
Sky/Lowest Cloud Conditio		Ceiling			Temperature:	(C) or 85 (F)
	Thin Broken Thin Overcast	None (Clear) O Broken		Obscured Indefinite	Dew Point:	(C)	or(F)
	Unknown	O Overcast		Unknown			
O Scattered	7.070	12 12/19/20			Altimeter Setti		
Lowest Cloud Condition He	eight	Ceiling Heigh	t			OT	MD
	_ ft agl			ft agl			
Wind Direction	Wind Speed		Wind Gusts		Visibility	10+	
		1	□ Not Gustin				_miles
☐ Variable	☐ Calm ☐ Light and Vari	able	☐ Not Gusun	ig	RVR:		feet
-or-	-OF-	1	-or-		RVV:		miles
Direction: 180 degrees true	Speed:	kts	Speed:	kts	Density Altitud	le:	ft
Intensity of Precipitation	Type of Precipit	ation (Check all t)	hat apply)		Restriction to V	isibility (Che	eck all that apply)
OLight	None	☐ Drizzle	☐ Freezing	Rain	None	□Fo	The state of the s
OModerate	☐ Rain	☐ Ice Pellets	☐ Snow Sl	hower	☐ Blowing Dus		ound Fog
OHeavy	Snow	☐ Snow Pellets			☐ Blowing San		
ON/A	Hail	☐ Snow Grains ☐ Ice Crystals	Freezing	g Drizzle	☐ Blowing Sno		
OUnknown	☐ Rain Showers	ice Crystais			Dust		known
cing Forecast		Icing Actual			Turbulence		
Amount Type		Amount	Type		Type (Check all	that apply)	Severity
None ON/A		None	ON/A		None	13,516	Light
O Trace O Rime		O Trace O Light	O Rime O Clear		Clear Air	red	☐Moderate ☐Severe
O Light O Clear O Moderate O Mixed		O Moderate	O Mixed		Convective T		□Extreme
O Severe O Unknow	n	O Severe	O Unkn				
OUnknown OUnknown OUnknown							
200 L 20 100 PM 2 10 10 10 10 10 10 10 10 10 10 10 10 10							
200.00	IRMETS, SIGN	IETS, PIREPS	in effect at a	the time of the	he accident/incid	ent:	
NOTAMs (D and FDC), A	IRMETs, SIGN	METs, PIREPs	in effect at t	the time of t	he accident/incid	ent:	
200.00	IRMETs, SIGN	IETs, PIREPs	in effect at	the time of t	he accident/incid	ent:	

DAMAGE	TO AIRCRAFT	AND OTHER PR	ROPERTY		
Aircraft Dan		Aircraft Fire		Aircraft Explosio	n
O None O Minor	O Substantial Destroyed Unknown	None In-Flight On-Ground	O Both Ground and In-Flight O Fire at Unknown Time O Unknown	None In-Flight On-Ground	O Both Ground and In-Flight O Explosion at Unknown Time O Unknown
Description	of Damage to Aircra	ft and Other Property	(Use additional sheet if necessary)		
				1 10 10	
		FLIGHT (Please type			
wreckage di	stribution sketch if pe	rtinent. Attach extra she	ng circumstances leading to and i cets if needed. State departure time	nature of accident/inc and and location, servi	ident. Describe terrain and include ces obtained, and intended
destination.	Provide as much deta	il as possible.			
	4 /	nd Repo	<i>*</i>		
See	allach	ed kepc			
		1			
					1.0

	v could this	s accident/incident h	ave been prevente	d?)		
Operator/Owner Safety Recomm						
MECHANICAL MALFUN Was there Mechanical Malfund If yes, list the name of the part, man	ction/Failu	re? 🗆 Yes 🗖 No		l, continue on sepa	rate sheet)	Total Time/Cycles On Part Hours Cycles
FUEL & SERVICES INF	ODMATI		SPANUS NEED AT NO	13 W-717.		Time Since This Part Inspected/Overhauled Hours
uel on Board at Last Takeoff	ORMAII	Fuel Type			La Complete	
Convert from pounds, as necessary)	Gallons	O 80/87 QL100 Low Lead O 100/130	O 115/145 O Jet A O Jet A-1	O Jet B O JP8 O Automotive	O Other, specify_	
Other Services, if Any, Prior to	Departure					
VACUATION OF AIRC	RAFT					
## ## ## ## ## ## ## ## ## ## ## ## ##		aft performed?	☐ Yes Æ-No))		
Vas an emergency evacuation (of the aircr					
Vas an emergency evacuation of lethod of Exit – Describe how	of the aircr	nts exited and how ma	any occupants evac	uated each location	ion for other aircs	aft)
EVACUATION OF AIRC Vas an emergency evacuation of Method of Exit – Describe how of the Company	of the aircr	nts exited and how ma	any occupants evac	uated each location	Da	amage to Other Aircraft Destroyed Minor Substantial None

City

City

ADDITIONAL INFORMAT	ION (Please type or print in ink)		
Use this space if additional space	e is needed for any answers.		
HEREBY CERTIFY THAT T	HE ABOVE INFORMATION IS COMPL	ETE AND ACCURATE TO THE B	EST OF MY KNOWLEDGE
Date of this Report Name of	Pilot/Operator: Anthono Chail	toffel Vis	
67 /15/8019 Signatur	е:		
mm/dd/yyyy - or -	Check here to electronically sign this	document	
f a Person Other than Pilot/O	perator is Filing Report		
Name:		Title:	
- or - ☐ Check here t	o electronically sign this document		
	FOR NTSB	USE ONLY	
NTSB Accident/Incident No.	Reviewed by NTSB Regional Office	Name of Investigator	Date Report Received
ERA19LA213	ERA	Gretz	7/15/19

To Whom it may concern.

This is the report by pilot Anthonie Christoffel Vos Cert number: of the events that lead up to the crash of helicopter N41830 Bell 47 Tomcat on Monday 8 June 2019.

Between the 09:00AM-10: 00 AM the helicopter was loaded with a mixture of fertilizer and insecticide after it landed on the loading trailer, it was loaded with between 40-50 gal of the chemical mix to go do an aerial application.

The helicopter lifted off the truck and came to a 5ft hover, a power check was performed to verify that there was sufficient reserve power available for the helicopter to take of safely with the load. After the power check was performed I took off and headed to the first field about six minutes away from where I did some cleanup passes.

When I got done kept going to the next field about eight minutes further.

I got to the field saw the loading trailer parked alongside the field I, landed and had him top off my hopper to about 50gal of chemical and 5 gal of fuel.

I took off the trailer with no problem and did my recon to see how I am going to start on the new field.

After my recon I started my AB line on the east side next to the tree line, I pulled out and turned on to my next line and entered the field as I leveled off and put my spray on, I realized the MR RPM as starting to decay, I rolled on the throttle lowered the collective and aft cyclic to try and get the RPM up but the helicopter settled to where the right boom dug into the corn and caused the helicopter to flip forward.

Anthonie Vos