

NATIONAL TRANSPORTATION SAFETY BOARD • PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT Use this form (Form 6120.1) to report civil and public aircraft accidents and incidents**BASIC INFORMATION****Accident/Incident Location**Nearest City/Place: Morrisville State: NCZIP: 27560 Country: United States of AmericaLatitude: W78:47:25 Longitude: N35:52:66

(Enter in decimal degrees or degrees:minutes:seconds)

Accident/Incident Date/TimeDate: 09/08/2024 Local Time: approx. 1400
mm/dd/yyyyTime Zone: ESTCollision with Other Aircraft: ☐ Midair ☐ On-ground ☒ None**AIRCRAFT INFORMATION**Registration Number: N6037MManufacturer: BeechcraftModel: Baron 58Serial Number: TH-1022Year of Manufacture: 1979Amateur-Built: ☐ Yes ☒ No If Yes: ☐ Original Design ☐ Kit/Plans

Make: _____

- ☒
- IFR-Equipped and Certified
-
- ☐
- Commercial Space Flight
-
- ☐
- Unmanned Aircraft

Maximum Gross Weight: 5400 lbs.Weight at Time of Accident/Incident: 5191 lbs.Number of Seats: 6 Flight Crew Seats: 1-2Cabin Crew Seats: 0 Passenger Seats: 4-5Number of Engines: 2**Category of Aircraft**
(Select one)

- ☒
- Airplane
-
- ☐
- Balloon
-
- ☐
- Blimp/Dirigible
-
- ☐
- Glider
-
- ☐
- Gyroplane
-
- ☐
- Helicopter
-
- ☐
- Powered Lift
-
- ☐
- Rocket
-
- ☐
- Ultralight
-
- ☐
- Unknown

Type of Airworthiness Certificate
(Check all that apply)**Standard**

- ☒
- Normal
-
- ☐
- Aerobatic
-
- ☐
- Balloon
-
- ☐
- Commuter
-
- ☐
- Transport
-
- ☐
- Utility

Special

- ☐
- Restricted
-
- ☐
- Limited
-
- ☐
- Provisional
-
- ☐
- Special Flight
-
- ☐
- Experimental
-
- ☐
- Special Light-Sport
-
- ☐
- Experimental Light-Sport

- ☐
- Certificate of Authorization or Waiver (COA)
-
- ☐
- None
- ☐
- Unknown

Landing Gear

(Check all that apply)

- ☒
- Retractable
- ☐
- High Skid
-
- ☒
- Tricycle
- ☐
- Skid
-
- ☐
- Tailwheel
- ☐
- Ski/Wheel
-
- ☐
- Emergency Float
- ☐
- Hull
-
- ☐
- Float
- ☐
- Ski
-
- ☐
- Amphibian
- ☐
- Unknown
-
- ☐
- Other Launch/Recovery System
-
- ☐
- None

Engine Type (Select one)

- ☒
- Reciprocating
- ☐
- Liquid Rocket
-
- ☐
- Turbo Shaft
- ☐
- Solid Rocket
-
- ☐
- Turbo Prop
- ☐
- Hybrid Rocket
-
- ☐
- Turbo Jet
- ☐
- None
-
- ☐
- Turbo Fan
- ☐
- Unknown
-
- ☐
- Electric

Fuel System Type (Reciprocating)

- ☐
- Carburetor
- ☒
- Fuel Injected

Engine	Engine Manufacturer	Engine Model/Series	Engine Serial Number	Date of Mfg. (mm/dd/yyyy)	Rated Power ☒ Horsepower or ☐ Lbs. of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Overhaul (hours)
Eng. 1	Continental	IO-520-CB	299207-R	12/27/99	285	1894.1	35.6	1894.1
Eng. 2	Continental	IO-520-CB	299422-R	07/29/01	285	1582.5	35.6	1582.5
Eng. 3								
Eng. 4								

Last Inspection Type

- ☒
- 100-Hour
-
- ☐
- AAIP
-
- ☐
- Annual
-
- ☐
- Continuous Airworthiness
-
- ☐
- Condition Inspection
-
- ☐
- Unknown

Date of Last Inspection: 04/15/2024
mm/dd/yyyyAirframe Total Time: 4416.8 hrs

Hours measured at (Select one)

- ☐
- Last Inspection
- ☒
- Time of Accident/Incident

Type of Maintenance Program (Select One)

- ☒
- Annual
-
- ☐
- Conditional (Amateur-built only)
-
- ☐
- Manufacturer's Inspection Program
-
- ☐
- Other Approved Inspection Program
-
- ☐
- (AAIP) Continuous Airworthiness
-
- ☐
- Other, specify: _____

Description of Fire Extinguishing System

- ☐
- None
-
- ☒
- Specify: _____

Additional Equipment

- ☒
- ADS-B
-
- ☐
- Airframe Parachute
-
- ☐
- Angle of Attack Indicator
-
- ☐
- Autopilot
-
- ☐
- Autopilot/FMS, Model: _____
-
- ☐
- Coupled Flight Director
-
- ☐
- Data Recorder
-
- ☐
- Device Stall Warning System
-
- ☒
- Electronic Flight Bag or Handheld Device
-
- ☐
- Electronic Multifunction Display
-
- ☐
- Electronic Primary Flight Display
-
- ☐
- Flight Management System

- ☐
- Handheld GPS
-
- ☐
- Heads Up Display
-
- ☐
- Night Vision Goggles
-
- ☐
- Onboard Weather
-
- ☐
- Primary Flight Display
-
- ☐
- SAS, Axis (circle one): 2, 3, 4, Model: _____
-
- ☐
- Satellite Tracking Device
-
- ☒
- Stall Warning System
-
- ☐
- Video Recording Device
-
- ☐
- Wire Strike Detection
-
- ☐
- Wire Strike Protection
-
- ☐
- Other, Specify: _____

ELT Installed: ☒ Yes ☐ No If Yes:ELT Manufacturer: UnkModel or Part No.: UnkTSO No.: ☐ OC91 (121.5 MHz) ☐ OC91a (121.5 MHz)
☐ OC126 (406 MHz)Was ELT still mounted in aircraft? ☒ Yes ☐ NoWas ELT still connected to antenna? ☒ Yes ☐ NoDid ELT activate? ☐ Yes ☒ NoIf activated: Did ELT aid in locating aircraft? ☐ Yes ☐ NoIf not activated: Indicate Reason: ☐ Impact Damage☐ Fire Damage ☐ Battery ☐ Expired/Damaged ☒ UnknownPropeller 1 ☐ Fixed Pitch
☒ Controllable Pitch
☐ Ground AdjustableManufacturer: HartzellModel: PHC-J3YF-2UFPropeller 2 ☐ Fixed Pitch
☒ Controllable Pitch
☐ Ground AdjustableManufacturer: HarzellModel: PHC-J3YF-2UF

OWNER/OPERATOR INFORMATION**Registered Aircraft Owner**Name: Raleigh Flying Club LLC**Fractional Ownership Aircraft:**☐ Yes☒ NoCity: Chapel HillState: NCZIP: 27517Country: United States of America**Operator of Aircraft**☒ *The Operator is also the Registered Owner*☒ *Same address as Registered Owner*

Name: _____

Doing Business As: _____

City: _____

State: _____

Air Carrier/Operator Designator (4-character code): _____

ZIP: _____

Country: _____

Operating Certificates Held*(Check all that apply)*

- ☒ 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)
- ☐ 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

Regulation Flight Conducted Under

- ☒ FAR 91 ☐ FAR 129 ☐ FAR 415
- ☐ FAR 103 ☐ FAR 133 ☐ FAR 431
- ☐ FAR 121 ☐ FAR 135 ☐ FAR 435
- ☐ FAR 125 ☐ FAR 137 ☐ FAR 437
- ☐ FAR 450
- ☐ FAR 91 Special Flight
- ☐ Non-US, Commercial
- ☐ Non-US, Non-commercial
- ☐ Public Aircraft *(Select one)*
- ☐ Armed Forces
- ☐ Federal
- ☐ State
- ☐ Local
- ☐ Unknown

Revenue Operation for FAR 121, 125, 129, 135*(Select one for each group)*

- ☐ Scheduled or Commuter ☐ Domestic
- ☐ Non-Scheduled or Air Taxi ☐ International
- ☐ Passenger
- ☐ Cargo
- ☐ Mail Contract Only

Purpose of Flight for FAR 91, 103, 133, 137 *(Select one)*

- ☐ Aerial Application ☐ Fire fighting
- ☐ Aerial Observation ☐ Flight Test
- ☐ Air Drop ☐ Glider Tow
- ☐ Air Race/Show ☐ Instructional
- ☐ Banner Tow ☐ Other Work Use
- ☐ Business ☒ Personal
- ☐ Executive/Corporate ☐ Positioning
- ☐ External Load ☐ Skydiving
- ☐ Ferry ☐ Unknown

Revenue Sightseeing Flight☐ Yes ☒ No**Air Medical Flight**☐ Yes ☒ No**AIRPORT INFORMATION** *(Fill in if accident/incident occurred on approach, landing, takeoff, departure, or within 3 miles of an airport)*Airport Name: Raleigh Durham International AirportDistance From Airport Center: Unknown sm.Airport Identifier: KRDUDirection From Airport: Unknown degrees trueProximity to Airport: ☐ Off Airport/Airstrip ☒ On Airport/Airstrip ☐ N/AAirport Elevation: 435 ft. MSL**Runway Information**Runway ID: 5R Length: 7500 ft. Width: 150 ft.**Runway/Landing Surface** *(Check all that apply)*

- ☒ Asphalt ☐ Grass/Turf ☐ Ice ☐ Snow
- ☐ Concrete ☐ Gravel ☐ Macadam ☐ Water
- ☐ Dirt ☐ Helideck ☐ Metal/Wood ☐ Unknown
- ☐ Elevated Heliport ☐ Helistop ☐ Off-site landing area

Condition of Runway/Landing Surface *(Check all that apply)*

- ☒ Dry ☐ Snow-Compacted ☐ Water-Calm
- ☐ Holes ☐ Snow-Crusted ☐ Water-Choppy
- ☐ Ice Covered ☐ Snow-Dry ☐ Water-Glassy
- ☐ Rough ☐ Snow-Wet ☐ Wet
- ☐ Rubber Deposits ☐ Soft
- ☐ Slush-Covered ☐ Vegetation ☐ Unknown

Approach/Departure Segment *(Select one)*

- ☐ Taxi ☐ VFR Departure ☐ On Instrument Approach ☐ Downwind ☐ Low Approach
- ☒ Takeoff ☐ IFR Departure Procedure/Clearance ☐ Landing ☐ Base ☐ Go Around
- ☐ Initial Climb ☐ Final ☐ Aborted Landing (after touchdown)
- ☐ Crosswind ☐ Unknown

IFR Approach *(Check all that apply)*

- ☒ None
- ☐ ADF/NDB ☐ PAR ☐ MLS ☐ Practice
- ☐ SDF ☐ Sidestep ☐ LDA ☐ GPS
- ☐ VOR/TVOR ☐ ILS ☐ ASR ☐ Unknown
- ☐ VOR/DME ☐ Localizer Only ☐ Visual
- ☐ TACAN ☐ LOC-back course ☐ Contact
- ☐ RNAV ☐ Circling

VFR Approach *(Check all that apply)*

- ☒ None
- ☐ Traffic Pattern ☐ Stop and Go
- ☐ Straight-In ☐ Touch and Go Simulated
- ☐ Valley/Terrain Following ☐ Forced Landing Forced
- ☐ Go Around ☐ Landing Precautionary
- ☐ Full Stop ☐ Landing
- ☐ Unknown

"FLIGHT CREWMEMBER 1" INFORMATION**"Flight Crewmember 1" Responsibilities at the Time of Accident/Incident**

☐ Captain ☐ First Officer ☒ Pilot ☐ Co-Pilot ☐ Student Pilot ☐ Flight Instructor ☐ Check Pilot ☐ Flight Engineer ☐ Other Flight Crew

"Flight Crewmember 1" was pilot flying ☒ Yes ☐ No

"Flight Crewmember 1" Identification

First Name: Hunter

City of Residence: Durham

Middle Initial: B

State: NC ZIP: 27712

Last Name: Warren

Country: United States of America

Age at time of Accident/Incident: 32

Date of Birth: (mm/dd/yyyy)

Certificate Number:

Degree of Injury ☒ None ☐ Serious ☐ Unknown ☐ Fatal ☐ Minor		Seat Occupied ☒ Left ☐ Front ☐ Unknown ☐ Right ☐ Rear ☐ Center ☐ Single		Restraint Type <table border="0"> <tr> <th>Available</th> <th>Used</th> </tr> <tr> <td>☐ None</td> <td>☐ None</td> </tr> <tr> <td>☐ Lap only</td> <td>☐ Lap only</td> </tr> <tr> <td>☐ 3-point</td> <td>☒ 3-point</td> </tr> <tr> <td>☐ 4-point</td> <td>☐ 4-point</td> </tr> <tr> <td>☐ 5-point</td> <td>☐ 5-point</td> </tr> <tr> <td>☐ Unknown</td> <td>☐ Unknown</td> </tr> </table>		Available	Used	☐ None	☐ None	☐ Lap only	☐ Lap only	☐ 3-point	☒ 3-point	☐ 4-point	☐ 4-point	☐ 5-point	☐ 5-point	☐ Unknown	☐ Unknown	Inflatable Restraints ☒ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	
Available	Used																				
☐ None	☐ None																				
☐ Lap only	☐ Lap only																				
☐ 3-point	☒ 3-point																				
☐ 4-point	☐ 4-point																				
☐ 5-point	☐ 5-point																				
☐ Unknown	☐ Unknown																				
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Flight Instructor ☒ Commercial ☐ US Military ☐ Private ☐ Recreational ☐ Airline Transport ☐ Foreign ☐ Sport ☐ Student ☐ Flight Engineer				Supplemental Restraint type: _____																	
Principal Occupation ☐ Pilot ☒ Other ☐ Unknown		Medical Certificate ☐ None ☐ Class 3 ☒ Class 1 ☐ Driver's License (Sport Pilot only) ☐ Class 2 ☐ Unknown		Medical Certificate Validity ☐ Without limitations/waivers ☐ Unknown ☒ With limitations/waivers ☐ N/A ☐ Special Issuance		Date of Last Medical <u>10/06/2023</u> mm/dd/yyyy															
Medical Certificate Limitations Must wear corrective Lenses				Medical Certificate Special Limitations																	

Personal Flight Equipment (Check all that apply)

☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ Personal locator beacon(s) (PLB) ☐ Fire resistant gloves
☐ Helmet visor ☐ Night vision goggles ☐ Personal flotation ☐ Other: _____

Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:

05/04/2023
mm/dd/yyyy

Flight Review Aircraft

Make: Beechcraft

Model: Baron 58

Airplane Rating(s) (Check all that apply) ☒ Single-Engine Land ☐ Single-Engine Sea ☒ Multiengine Land ☐ Multiengine Sea		Other Aircraft Rating(s) (Check all that apply) ☒ None ☐ Airship ☐ Balloon ☐ Glider ☐ Gyroplane ☐ Helicopter ☐ Powered Lift		Instrument Rating(s) (Check all that apply) ☐ None ☐ Airplane ☐ Helicopter ☐ Powered Lift		Instructor Rating(s) (Check all that apply) ☒ None ☐ Instrument Airplane ☐ Airplane Single-Engine ☐ Instrument Helicopter ☐ Airplane Multiengine ☐ Helicopter ☐ Gyroplane ☐ Glider ☐ Powered lift ☐ Sport	
---	--	--	--	---	--	---	--

Type Ratings and Applicable Logbook Endorsements**Student Endorsements** (Include dates)

Flight Time (Enter hours for each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Multi-engine Rotorcraft	Tail-wheel
						Actual	Simulated					
Total Time	846	135	704	142	72	62	61	0	0	0	142	0
Pilot in Command (PIC)	702	75	625	77	58	53		0	0	0	77	0
Time as Instructor	0	0	0	0	0	0	0	0	0	0	0	0
This Make/Model					16	18	6					
Last 90 Days	28	7	20	8	0	5	0	0	0	0	8	0
Last 30 Days	7	4	3	4	0	0	0	0	0	0	4	0
Last 24 Hours	0	0	0	0	0	0	0	0	0	0	0	0

"FLIGHT CREWMEMBER 2" INFORMATION**"Flight Crewmember 2" Responsibilities at the Time of Accident/Incident**

☐ Captain ☐ First Officer ☐ Pilot ☐ Co-Pilot ☐ Student Pilot ☐ Flight Instructor ☐ Check Pilot ☐ Flight Engineer ☐ Other Flight Crew

"Flight Crewmember 2" was pilot flying ☐ Yes ☐ No

"Flight Crewmember 2" Identification

First Name: _____

City of Residence: _____

Middle Initial: _____

State: _____ ZIP: _____

Last Name: _____

Country: _____

Age at time of Accident/Incident: _____

Date of Birth: _____ (mm/dd/yyyy)

Certificate Number: _____

Degree of Injury

☐ None ☐ Serious
☐ Unknown ☐ Fatal
☐ Minor

Seat Occupied

☐ Left ☐ Front ☐ Unknown
☐ Right ☐ Rear
☐ Center ☐ Single

Restraint Type**Available**

☐ None
☐ Lap only
☐ 3-point
☐ 4-point
☐ 5-point
☐ Unknown

Used

☐ None
☐ Lap only
☐ 3-point
☐ 4-point
☐ 5-point
☐ Unknown

Inflatable Restraints

☐ Not Installed
☐ Installed
☐ Not Deployed
☐ Deployed
☐ Unknown

Pilot Certificate(s) (Check all that apply)

☐ None ☐ Flight Instructor ☐ Commercial
☐ US Military ☐ Private ☐ Recreational
☐ Airline Transport ☐ Foreign ☐ Sport
☐ Student ☐ Flight Engineer

☐ Supplemental. Restraint type: _____

Principal Occupation

☐ Pilot
☐ Other
☐ Unknown

Medical Certificate

☐ None ☐ Class 3
☐ Class 1 ☐ Driver's License (Sport Pilot only)
☐ Class 2 ☐ Unknown

Medical Certificate Validity

☐ Without limitations/waivers ☐ Unknown
☐ With limitations/waivers ☐ N/A
☐ Special Issuance

Date of Last Medical

mm/dd/yyyy

Medical Certificate Limitations**Medical Certificate Special Limitations****Personal Flight Equipment** (Check all that apply)

☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ Personal Locator Beacon(s) (PLB) ☐ Fire resistant gloves
☐ Helmet visor ☐ Night vision goggles ☐ Personal flotation ☐ Other: _____

Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:

mm/dd/yyyy

Flight Review Aircraft

Make: _____

Model: _____

Airplane Rating(s)
(Check all that apply)

☐ Single-Engine Land
☐ Single-Engine Sea
☐ Multiengine Land
☐ Multiengine Sea

Other Aircraft Rating(s)
(Check all that apply)

☐ None
☐ Airship
☐ Balloon
☐ Glider
☐ Gyroplane
☐ Helicopter
☐ Powered Lift

Instrument Rating(s)
(Check all that apply)

☐ None
☐ Airplane
☐ Helicopter
☐ Powered Lift

Instructor Rating(s)
(Check all that apply)

☐ None ☐ Instrument Airplane
☐ Airplane Single-Engine ☐ Instrument Helicopter
☐ Airplane Multiengine ☐ Helicopter
☐ Gyroplane ☐ Glider
☐ Powered lift ☐ Sport

Type Ratings and Applicable Logbook Endorsements**Student Endorsements** (Include dates)

Flight Time (Enter hours for each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Multi-engine Rotorcraft	Tail-wheel
						Actual	Simulated					
Total Time												
Pilot in Command (PIC)												
Time as Instructor												
This Make/Model												
Last 90 Days												
Last 30 Days												
Last 24 Hours												0

ADDITIONAL FLIGHT CREWMEMBERS (Exclusive of cabin crew, complete the following information.)

Additional Crewmember Information		Seat Occupied	Injury
First Name: _____	City of Residence: _____	☐ Left ☐ Rear ☐ Center ☐ Single ☐ Right ☐ Unknown ☐ Front	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown
Middle Initial: _____	State: _____ Zip: _____		
Last Name: _____	Country: _____		

Personal Flight Equipment (Check all that apply)

☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ Personal locator beacon(s) (PLB) ☐ Fire resistant gloves
☐ Helmet visor ☐ Night vision goggles ☐ Personal flotation ☐ Other: _____

Pilot Certificate(s) (Check all the apply)		Restraint Type	Inflatable Restraints
☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military ☐ Private ☐ Recreational ☐ Airline Transport ☐ Foreign ☐ Student ☐ Sport ☐ Flight Engineer	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown ☐ Supplemental. Restraint type: _____	Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown

Type Rating/Endorsement for Accident/Incident Aircraft? ☐ Yes ☐ No	Total Flight Time at the Time of this Accident/Incident: _____ hrs.
--	--

Additional Crewmember Information		Seat Occupied	Injury
First Name: _____	City of Residence: _____	☐ Left ☐ Rear ☐ Center ☐ Single ☐ Right ☐ Unknown ☐ Front	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown
Middle Initial: _____	State: _____ Zip: _____		
Last Name: _____	Country: _____		

Personal Flight Equipment (Check all that apply)

☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ Personal Locator Beacon(s) (PLB) ☐ Fire resistant gloves
☐ Helmet visor ☐ Night vision goggles ☐ Personal flotation ☐ Other: _____

Pilot Certificate(s) (Check all the apply)		Restraint Type	Inflatable Restraints
☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military ☐ Private ☐ Recreational ☐ Airline Transport ☐ Foreign ☐ Student ☐ Sport ☐ Flight Engineer	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown ☐ Supplemental. Restraint type: _____	Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown

Type Rating/Endorsement for Accident/Incident Aircraft? ☐ Yes ☐ No	Total Flight Time at the Time of this Accident/Incident: _____ hrs.
--	--

PASSENGER(S) / OTHER PERSONNEL (Include cabin crew; continue on separate sheet, if necessary.)

Number of Passengers <u>1</u>						
Passenger Information	Seat	Injury	Restraint Type	Inflatable Restraints	Age	
First Name: <u>Brian</u> City: _____ Middle Initial: _____ State: <u>NC</u> Zip: _____ Last name: <u>Zetocha</u> Country: <u>USA</u> ☐ Crew ☐ Passenger ☐ Other	☐ Left ☐ Center ☒ Right ☐ Unknown Row: <u>1</u>	☒ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☒ 3-point ☐ 4-point ☐ 5-point ☐ Unknown ☐ Supplemental. Restraint type: _____	Used ☐ None ☐ Lap Only ☒ 3-point ☐ 4-point ☐ 5-point ☐ Unknown	☒ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If under 5 years, ☐ Child Restraint ☐ Lap-Held ☐ Unknown

Personal Flight Equipment (Check all that apply)

☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ PLB
☐ Fire resistant gloves ☐ Night vision goggles ☐ Helmet visor ☐ Personal flotation
☐ Other: _____

First Name: _____ City: _____ Middle Initial: _____ State: _____ Zip: _____ Last name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ PLB ☐ Fire resistant gloves ☐ Night vision goggles ☐ Helmet visor ☐ Personal flotation ☐ Other: _____	☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown ☐ Supplemental. Restraint type: _____	Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If under 5 years, ☐ Child Restraint ☐ Lap-Held ☐ Unknown
First Name: _____ City: _____ Middle Initial: _____ State: _____ Zip: _____ Last name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ PLB ☐ Fire resistant gloves ☐ Night vision goggles ☐ Helmet visor ☐ Personal flotation ☐ Other: _____	☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown ☐ Supplemental. Restraint type: _____	Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If under 5 years, ☐ Child Restraint ☐ Lap-Held ☐ Unknown
First Name: _____ City: _____ Middle Initial: _____ State: _____ Zip: _____ Last name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ PLB ☐ Fire resistant gloves ☐ Night vision goggles ☐ Helmet visor ☐ Personal flotation ☐ Other: _____	☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown ☐ Supplemental. Restraint type: _____	Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If under 5 years, ☐ Child Restraint ☐ Lap-Held ☐ Unknown

FLIGHT ITINERARY INFORMATION

Last Departure Point	Time of Departure	Flight Information	Destination	Type Flight Plan Filed
Airport ID: <u>KRDU</u> City: <u>Morrisville</u> State: <u>NC</u> Country: <u>USA</u>	Time: <u>1400 Loca</u> Time Zone: <u>EST</u>	Flight Number: _____ Operating as Flight _____	Airport ID: <u>KAVL</u> City: <u>Asheville</u> State: <u>NC</u> Country: <u>USA</u>	☐ None ☐ Company VFR ☐ Military VFR ☐ VFR ☐ VFR/IFR ☒ IFR ☐ Unknown Activated? ☒ Yes ☐ No ☐ Unknown

Type of ATC Clearance/Service (Check all that apply) ☐None			
☐ Certificate of Authorization	☐ Special VFR	☐ Special IFR	☐ VFR Flight Following
☐ VFR	☒ IFR	☐ VFR On Top	☐ Traffic Advisory
		☐ Cruise	
		☐ Unknown / NA	

Type of ATC Clearance/Service (Check all that apply)			
☐ Class A	☐ Class G	☐ Military Operations Area (MOA)	☐ Special
☐ Class B	☐ Demo Area	☐ Airport Advisory Area	☐ Air Traffic Control Area
☒ Class C	☐ Warning Area	☐ Jet Training Area	☐ Unknown
☐ Class D	☐ Prohibited Area	☐ TRSA	
☐ Class E	☐ Restricted Area	☐ FAR 93	
			Altitude of In-Flight Occurrence: _____ ft. MSL

WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE			
---	--	--	--

Source of Pilot Weather Information (Check all that apply)		Weather Observation Facility	
☒ National Weather Service ☐ Flight Service Station ☐ TV/Radio ☒ Automated Report ☒ Electronic Flight Bag-Application: _____ Foreflight ☐ On-Board Weather	☐ Company ☐ Military ☐ Internet ☐ None ☐ Unknown	Facility ID: <u>RDU ATIS</u> Observation Time: _____ Time Zone: <u>EST</u> Distance from Accident Site: <u>Unknown</u> nm Direction from Accident Site: <u>Unknown</u> degrees true	

Basic Conditions ☒ VMC ☐ IMC ☐ Unknown	Lowest Cloud Condition Height <u>6000</u> ft. AGL	Light Condition ☐ Dawn ☐ Dusk ☐ Dark Night ☐ Unknown ☒ Day ☐ Night ☐ Bright Night	
---	---	---	--

Sky/Lowest Cloud Condition ☐ Clear ☒ Few ☐ Partial ☐ Obscuration ☐ Scattered	Thin Broken ☐ Thin Overcast ☐ Unknown	Ceiling ☒ None (Clear) ☐ Broken ☐ Overcast ☐ Obscured ☐ Indefinite ☐ Unknown	Ceiling Height _____ ft. AGL
---	--	--	--

Temperature: _____ (°C) or _____ (°F)	Dewpoint: _____ (°C) or _____ (°F)
--	---

Altimeter Setting: _____ Hg or _____ mb	Wind Direction ☐ Variable or Direction: <u>040</u> degrees true	Wind Speed ☐ Calm ☐ Light and Variable or Speed: <u>6</u> kts	Wind Gusts ☒ Not Gusting or Speed: _____ kts	Visibility <u>10</u> miles RVR: _____ feet RVV: _____ miles Destiny Altitude: _____ ft.
---	--	--	--	---

Type of Precipitation (Check all that apply)	Restriction to Visibility (Check all that apply)
☒ None ☐ Rain ☐ Snow ☐ Hail ☐ Rain Showers ☐ Drizzle ☐ Ice Pellets ☐ Snow Pellets ☐ Snow Grains ☐ Ice Crystals ☐ Freezing Rain ☐ Snow Shower ☐ Ice Pellets Shower ☐ Freezing Drizzle	☒ None ☐ Blowing Dust ☐ Blowing Sand ☐ Blowing Snow ☐ Blowing Spray ☐ Dust ☐ Fog ☐ Ground Fog ☐ Haze ☐ Ice Fog ☐ Smoke ☐ Unknown

Icing Forecast Amount ☒ None ☐ Trace ☐ Light ☐ Moderate ☐ Severe ☐ Unknown Type ☐ N/A ☐ Rime ☐ Clear ☐ Mixed ☐ Unknown	Intensity of Precipitation ☐ Light ☐ Moderate ☐ Heavy ☒ N/A ☐ Unknown	Icing Actual Amount ☒ None ☐ Trace ☐ Light ☐ Moderate ☐ Severe ☐ Unknown Type ☒ N/A ☐ Rime ☐ Clear ☐ Mixed ☐ Unknown	Turbulence (Check all that apply) Type ☒ None ☐ Clean Air ☐ Terrain-Induced ☐ Convective Severity ☐ Light ☐ Moderate ☐ Severe ☐ Extreme
---	--	--	---

NOTAMS (D and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident: I do not recall this information well enough to accurately describe it at this time.

DAMAGE TO AIRCRAFT AND OTHER PROPERTY**Aircraft Damage**

- ☐ None ☐ Substantial
☐ Minor ☐ Destroyed
 ☒ Unknown

Aircraft Fire

- ☒ None ☐ Both Ground and In-Flight
☐ In-Flight ☐ Fire at Unknown Time
☐ On-Ground ☐ Unknown

Aircraft Explosion

- ☒ None ☐ Both Ground and In-Flight
☐ In-Flight ☐ Fire at Unknown Time
☐ On-Ground ☐ Unknown

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

At this time the aircraft is still being inspected to determine the extent of the damage. It is currently unknown if this is structurally involved or only minor damage.

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 location, services obtained, and intended destination. Provide as much detail as possible.

On 09/08/2024 I was planning to take N6037M from KRDU to KAVL on an afternoon flight. The intended plan was to land at KAVL, refuel, and return to KRDU the same day. The aircraft was topped off with fuel prior to departure, so the aircraft had a total of 166 usable gallons of fuel in the tanks (83 gallons per side) at the time of engine start. I also had one passenger in the airplane who is also a commercially rated multi-engine pilot for this trip. He was acting as a passenger on this flight and was not a required crewmember for the aircraft or the flight. Due to him being a pilot, we agreed that I would act as PIC of the aircraft and operate the flight controls for the flight. He agreed to help with checklist usage and to operate the radios and communications with ATC (with me monitoring) so that we could take advantage of good CRM procedures during the flight.

I performed a preflight inspection of the aircraft before engine start. The preflight inspection was normal (including the inspection of the landing gear) except for noting that the RH engine needed 1 qt of oil added to the engine. The quart of oil was added, and no other discrepancies were noted. From the beginning to the end of this process, my passenger and I used a "challenge/response" method of checklist usage to verify and cross check the aircraft. We started the airplane, and each engine started with no abnormalities noted. Once the aircraft was warmed up we taxied out of the parking spot to our run-up spot and my passenger used the radio to obtain the weather and our clearance from the RDU frequencies with me monitoring the radios and copying the information.

We performed our run-up checks, and the airplane checked out normally during those checks except for noting that the buttons on the GPS seemed harder to push than normal. This got better while exercising the buttons while on the ground and the issue resolved itself. This was noted to probably be from sitting offline for 2 months and was deemed to not pose an issue to the flight since it had resolved. After a satisfactory run-up check we contacted KRDU ground for a taxi clearance and were cleared to taxi J2, A, short Charlie for a passing jet. After the jet passed, we were cleared to continue A to hold short runway 5R and to monitor tower. We continued A, switched to tower, and upon reaching 5R waited for our departure clearance. Upon receiving our departure clearance (I don't recall the heading given), we performed our takeoff checklist and proceeded with the departure.

I pushed the throttles forward, confirmed that our engine parameters were indicating green, and proceeded to push the throttles to full power. Once at full power I announced "airspeed alive" as we picked up speed. My next verbal call was "redline" (to identify VMC) then "plus five" (to indicate that we were 5 knots over VMC and at our rotation point) followed immediately by "rotate". Upon initiating the rotation, I felt a sensation that felt like the nose tire had gone flat, I reacted to that sensation by pulling the throttles to idle and applying the brakes. At this point the aircraft pitched down to the asphalt. I held the throttles at idle and did my best to maintain directional of the aircraft using the rudders. Immediately upon the propellers striking the asphalt, my passenger verbalized that the engines needed to be secured, and the mixture controls were pulled to idle/cutoff to stop the fuel flow to the engines. We slid on the asphalt and came to a rest still on the runway with the left wingtip still touching centerline of the runway. Upon coming to a rest, the cockpit filled with smoke. My passenger announced that we had rejected our takeoff to the tower, and at the same time I shut down the avionics and electrical master switch. It was noted that the smoke was coming from our feet, both at the rudder pedals and behind our seats (in the area of the main spar), the smoke smelled like hot asphalt and metal at that time from what I can recall.

We exited the aircraft, and I think that was the moment that it fully struck me that the gear had gone up into the belly of the airplane and that we were skidding without the gear. Due to this realization, I verified before walking away that the gear handle was still in the down

OPERATOR/OWNER SAFETY RECOMMENDATION (How could this accident/incident have been prevented?)

At this time I am still unsure of what caused the incident. Once we determine that fact, I will be able to do an after-action synopsis of how to prevent the issue in the future.

MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on a separate sheet.)Was there Mechanical Malfunction/Failure? ☐ Yes ☐ No

(If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)

We are still working to understand what caused the event. We do not have a clear cause yet as we are waiting on authorization to move forward with the investigation of the aircraft.

Total Time/ Cycles On Part

_____ Hours

_____ Cycles

Time Since This Part Inspected/Overhauled

_____ Hours

FUEL & SERVICES INFORMATION

Fuel on Board at Last Takeoff

(Convert from pounds, as necessary)

166 _____ Gallons

Fuel Type

☒ 100 Low Lead☐ Automotive☐ Jet A☐ Jet A-1☐ Unleaded AV☐ Other, specify _____

Other Services, if any, prior to departure:

EVACUATION OF AIRCRAFTWas an emergency evacuation of the aircraft performed? ☒ Yes ☐ No

Method of Exit – Describe how the occupants exited and how many occupants evacuated each location:

The two front occupants of the aircraft exited the aircraft quickly via the forward entry door, and exit was made to the rear of the aircraft due to the aircraft filling up with smoke.

OTHER AIRCRAFT – COLLISION (If air or ground collision occurred, complete this section for other aircraft.)

Aircraft Registration Number

Manufacturer: _____

Model: _____

Damage to Other Aircraft:

☐ Destroyed☐ Substantial☐ Minor☐ None

Registered Owner of Other Aircraft

Name: _____

City: _____

State: _____ ZIP: _____

Country: _____

Pilot of Other Aircraft

Name: _____

City: _____

State: _____ ZIP: _____

Country: _____

ADDITIONAL INFORMATION (Additional space for answers to any question.)

It is important to note that this form auto-filled the "multi-engine rotor craft" box when I filled out my time. I have zero "multi-engine rotorcraft" time. I therefore can not certify that this form is correct because the form will not allow me to correct this discrepancy without also deleting my multi engine time airplane time which would also be inaccurate.

By signing this form, I am consenting to the public release of the information provided herein.

Date of this report:

09/13/2024

mm/dd/yyyy

Name of Pilot/Operator: Hunter Warren

Signature: _____

-or- ☐ Check here to electronically sign this document

If a person other than Pilot/Operator is filing this report

Name: _____

Title: _____

Signature: _____

-or- ☐ Check here to electronically sign this document

FOR NTSB USE ONLY

NTSB Accident/Incident No.	Reviewed by NTSB AS Division	Name of Investigator	Date Report Received
ERA24LA376	ERA	GERHARDT, ADAM	9/13/2024

Lucas Winn
Aviation Accident Investigator
Aviation Safety, Eastern Region

Date: November 1, 2024
Subject: ERA24LA376, Pilot Statement
Contact: Hunter Warren, Pilot

The following is the pilots statement taken from the submitted NTSB Form 6120.1 due to the statement exceeding the field margin of the form.

On 09/08/2024 I was planning to take N6037M from KRDU to KAVL on an afternoon flight. The intended plan was to land at KAVL, refuel, and return to KRDU the same day. The aircraft was topped off with fuel prior to departure, so the aircraft had a total of 166 usable gallons of fuel in the tanks (83 gallons per side) at the time of engine start. I also had one passenger in the airplane who is also a commercially rated multi-engine pilot for this trip. He was acting as a passenger on this flight and was not a required crewmember for the aircraft or the flight. Due to him being a pilot, we agreed that I would act as PIC of the aircraft and operate the flight controls for the flight. He agreed to help with checklist usage and to operate the radios and communications with ATC (with me monitoring) so that we could take advantage of good CRM procedures during the flight. I performed a preflight inspection of the aircraft before engine start. The preflight inspection was normal (including the inspection of the landing gear) except for noting that the RH engine needed 1 qt of oil added to the engine. The quart of oil was added, and no other discrepancies were noted. From the beginning to the end of this process, my passenger and I used a "challenge/response" method of checklist usage to verify and cross check the aircraft. We started the airplane, and each engine started with no abnormalities noted. Once the aircraft was warmed up we taxied out of the parking spot to our run-up spot and my passenger used the radio to obtain the weather and our clearance from the RDU frequencies with me monitoring the radios and copying the information. We Date: November 1, 2024 Subject: ERA24LA376, Pilot Statement Contact: Hunter Warren, Pilot 2 performed our run-up checks, and the airplane checked out normally during those checks except for noting that the buttons on the GPS seemed harder to push than normal. This got better while exercising the buttons while on the

ground and the issue resolved itself. This was noted to probably be from sitting offline for 2 months and was deemed to not pose an issue to the flight since it had resolved. After a satisfactory run-up check we contacted KRDU ground for a taxi clearance and were cleared to taxi J2, A, short Charlie for a passing jet. After the jet passed, we were cleared to continue A to hold short runway 5R and to monitor tower. We continued A, switched to tower, and upon reaching 5R waited for our departure clearance. Upon receiving our departure clearance (I don't recall the heading given), we performed our takeoff checklist and proceeded with the departure. I pushed the throttles forward, confirmed that our engine parameters were indicating green, and proceeded to push the throttles to full power. Once at full power I announced "airspeed alive" as we picked up speed. My next verbal call was "redline" (to identify VMC) then "plus five" (to indicate that we were 5 knots over VMC and at our rotation point) followed immediately by "rotate". Upon initiating the rotation, I felt a sensation that felt like the nose tire had gone flat, I reacted to that sensation by pulling the throttles to idle and applying the brakes. At this point the aircraft pitched down to the asphalt. I held the throttles at idle and did my best to maintain directional of the aircraft using the rudders. Immediately upon the propellers striking the asphalt, my passenger verbalized that the engines needed to be secured, and the mixture controls were pulled to idle/cutoff to stop the fuel flow to the engines. We slid on the asphalt and came to a rest still on the runway with the left wingtip still touching centerline of the runway. Upon coming to a rest, the cockpit filled with smoke. My passenger announced that we had rejected our takeoff to the tower, and at the same time I shut down the avionics and electrical master switch. It was noted that the smoke was coming from our feet, both at the rudder pedals and behind our seats (in the area of the main spar), the smoke smelled like hot asphalt and metal at that time from what I can recall. We exited the aircraft, and I think that was the moment that it fully struck me that the gear had gone up into the belly of the airplane and that we were skidding without the gear. Due to this realization, I verified before walking away that the gear handle was still in the down position (it was) and then stepped away from the aircraft. I called KRDU tower via my cell phone to confirm that they knew we had stopped on the runway and needed Crash Fire Rescue (CFR) to evaluate the aircraft for fire hazards. Tower advised us that CFR was on the way and instructed us to remain on the phone until they had arrived on scene. CFR arrived on scene, and we worked with them to ensure that the aircraft was secured at that time. I forgot two steps in the securing process which were that I did not turn the fuel selectors to off, and I did not turn off the magnetos. Normally we would have used an emergency shutdown checklist to shut down the aircraft, but due to the speed at which the event occurred, and the smoke filling the cockpit, it unfortunately did not occur to me to make sure that we had finished shutting everything down. After the aircraft was secured, we stayed on site with the aircraft until a towing service arrived with a crane to assist with recovering the aircraft. We were on scene with them while they raised the aircraft. I then got into the airplane, pulled the circuit breaker for the landing gear motor, and lowered the gear

manually with the emergency extension handle until the gear locked in place. We then set the airplane on its gear and Signature Flight Support towed it (slowly) to a hangar for storage until it can be evaluated.