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.

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, 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.

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.

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 | C INFORMA | TION | | | | | | | | | | | |
|---|---------------------|-----------------|------------------------|----------------------|-----------------|--------------------------|---|------------------------|---|------------------------|----------------------------------|--------------------|--------------------|
| Accide | nt/Incident Loc | ation | | | | | Accident/Incident Date/Time | | | | | | |
| | City/Place: Mulle | | | | _State: N | E | Date | e: <u>08/0</u> | 03/2018 | Lo | cal Time: 4 | 1:45PM | |
| ZIP: <u>69</u> | 152(| Country: USA | 4 | | | | | mm/do | d/yyyy | т:. | me Zone: N | Λ÷ | |
| Latitude | 41.86N | | Longitude: 101.2 | 23W | | | | | | 111 | me Zone. <u>I</u> | /IL | |
| | (Enter in decima | l degrees or a | legrees:minutes:sec | conds) | | | Col | llision with | Other Air | eraft: C |) Midair | OOn-groun | nd O None |
| AIRC | RAFT INFO | RMATIO | N | | | | | | | | | | |
| Registr | ation Number: | N130TG | | | | | | ☐ IFR-Equip | | | | | |
| Manufa | acturer: Airbus | | | | | | ☐ Commercial Space Flight ☐ Unmanned Aircraft | | | | | | |
| Model: | 130T2 | | | | | | Ma | aximum Gr | oss Weigh | t: 5800 | | lbs | |
| Serial N | Number: <u>8320</u> | | | | | | W | eight at Tin | ne of Accid | ent/Inci | dent: <u>480</u> | 0 | lbs |
| Year of | Manufacture: | 2016 | | | | | Nu | ımber of Se | ats: <u>7</u> | | Flight Cre | ew Seats: 2 | |
| Amateu | ur-Built: OYes | | Kit/Plans Mal | ke: | | | | bin Crew Seat | | | | | |
| | ⊙ No | (| Original Design | | | | Nu | ımber of En | ngines: 1 | | | | |
| _ | ry of Aircraft | Type of A | irworthiness Ce | rtificate | | Landing Ge | | | | Engine | Type (Se | | |
| O Airpl O Ballo | ane | (Check all t | | | | (Check all tha | | | | O Reci | procating | | d Rocket Rocket |
| | p/Dirigible | ✓ Norma | | ted | | ☐ Tricycle | кеп | actable | ailwheel | O Turb | | _ | id Rocket |
| OGlide | | Aerob | | | | | | _ | | Turb | o Jet | ONone | |
| O Gyro ⊙ Helic | | ☐ Balloo | | | | ☐ Amphibia ☐ Emergenc | | | igh Skid | | O Turbo Fan O Unknown O Electric | | |
| OPowe | ered Lift | Transp | | | | Float | y I'i | | | | | | |
| ORock | | ☐ Utility | | Light-Spo | | □Hull | | □Sl | ki/Wheel | Fuel Sys | stem Type | (Reciprocation | ng) |
| OUltra OUnkn | | | * | mental Ligl | | ☐ Other Lau | ınch/ | Recovery Sys | stem | O Carb | uretor | ● Fuel- | Injected |
| • | | ☐Certificate | e of Authorization | or Waiver Unknown | (COA) | ☐ None | | ΠU | Inknown | | | | |
| | | | | | | | Т | Date | Rated Pow | | Total | | Since: |
| Engine | Engine Manufa | cturor | Engine Model/Series | | | acturer's Number | | of Mfg. mm/dd/yyyy | HorsepIbs of 3 | | Time (hours) | Inspection (hours) | Overhaul (hours) |
| Eng. 1 | TurboMeca | cturer | Arriel 2D | | 50963 | tumber | | | | 212.5 | 65.4 | 212.5 | |
| Eng. 2 | | | | | | | | | | | | | |
| Eng. 3 | | | | | | | | | | | | | |
| Eng. 4 | | | | | | OE: 1D | . 1 | | | | | E' 1 D': 1 | |
| Last In | spection Type | | | Propello | er 1 | OFixed P OControl | Pritch Propeller 2 OFixed Pitch OControllable Pitch | | | | | | |
| ⊙ 100-H | our OCont | inuous Airwo | orthiness | | | OGround | | | | | _ | Ground Adju | |
| O AAIP O Annu | | ditional Inspec | ction | Manufac | turer: | | | | Manu | facturer: _ | | | |
| | | | | Model: _ | | | | | Mode | 1: | | | |
| Date L | ast Inspection: | mm/dd/yy | | ELT In | stalled: | OYes • | No | | | • | ipment (| Check all tha | t apply) |
| Airfran | ne Total Time: | | | If Yes: | | | | | Z ADS | S-B rame Para | ahuta | | |
| hou | rs measured at (S | elect one) | | ELT Ma | nufactur | er: | | | _ | | ck Indicato | r | |
| OI | ast Inspection | O Time of A | ccident/Incident | | | .:(121.5 MHz) C | | | Aut | | | | |
| Type of | Maintenance l | Program (Se | elect one) | | | (406 MHz) | | (121.0 1.111 | | Recorder | | Handheld De | vice |
| O Annual Was ELT atill mounted in airce | | | | | unted in aircra | ft? | OYes ONo | ∠ Elec | tronic Mu | ltifunction | Display | , 100 | |
| O Conditional (Amateur-built only) Manufacturer's Inspection Program Was ELT still indunted in air Was ELT still connected to air | | | | | | | , □Elec | | mary Fligh | t Display | | | |
| O Other Approved Inspection Program (AAIP) Did ELT Activate? OYes | | | | ? OYes Of | No | | | dheld GPS ds Up Dis | | | | | |
| | inuous Airworthin | ess | | If activa | | 4. 4. | c. / | OV ON | Z Onb | oard Wea | ther | | |
| | r, specify: | | <u> </u> | | | ocating Aircra | π: (| ores ONo | | | cing Device | e | |
| O None | otion of Fire Ex | tınguishing | System | If not ac | | ☐ Impact Dar | meas | a | | Warning o Record | System ing Device | | |
| O Spec | | | | mulcate | ivasun. | ☐ Fire Damas | | v | | er, Specify | | | |
| | | | | | | ☐ Battery Ex | | d/Damaged | | | | | |
| | | | | | | Unknown | | | | | | | |

| OWNER/OPERATOR INFORMA | ATION | | | | | |
|--|--|---|--|--|--|--|
| Registered Aircraft Owner | | City: Largo | | | | |
| Name: TSG Jet Partners, LLC | | State: FI ZIP: 33037 | | | | |
| Fractional Ownership Aircraft: O Yes • | No | Country: USA | | | | |
| Operator of Aircraft | gistered Owner | ✓ Same Address as Registered Owner | | | | |
| Name: | | City: | | | | |
| Doing Business As: | | State: ZIP: | | | | |
| Air Carrier/Operator Designator (4 Character | er Code): | Country: | | | | |
| Operating Certificates Held (Check all that apply) | Regulation Flight Conducted Un | 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 91 OFAR 129 OFAR OFAR 103 OFAR 133 OFAR 135 OFAR 125 OFAR 137 OFAR 137 OFAR 125 OFAR 137 | 431 Non-Scheduled or Air Taxi International | | | | |
| ☐ On-Demand Air Taxi (FAR 135) ☐ Commercial Air Tour (FAR 136) | O Non-US, Non-commercial | Purpose of Flight for FAR 91, 103, 133, 137 | | | | |
| □ 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 | OPublic Aircraft (Select one) O Armed Forces O Federal O State O Local O Unknown | (Select one) O Aerial Application O Aerial Observation O Air Drop O Air Race/Show O Banner Tow O Business O Executive/Corporate O Aerial Observation O Flight Test O Glider Tow O Instructional O Other Work Use O Personal O Positioning | | | | |
| Revenue Sightseeing Flight | Air Medical Flight | O External Load O Skydiving O Ferry | | | | |
| 0.17 | | | | | | |
| O Yes O No | O Yes O No | | | | | |
| | | pproach, landing, takeoff, departure, or within 3 miles of an airport) | | | | |
| | if accident/incident occurred on app | Distance From Airport Center:sm Direction From Airport:degrees true | | | | |
| AIRPORT INFORMATION (Fill in Airport Name: Airport Identifier: | if accident/incident occurred on app | Distance From Airport Center:sm Direction From Airport:degrees true Airport Elevation:ft. msl | | | | |
| AIRPORT INFORMATION (Fill in Airport Name: Airport Identifier: | p On Airport/Airstrip •N/A ft Width:ft apply) dam | Distance From Airport Center:sm Direction From Airport:degrees true | | | | |
| AIRPORT INFORMATION (Fill in Airport Name: Airport Identifier: Proximity to Airport: Off Airport/Airstri Runway Information Runway ID:(L/R/C) Length: Runway/Landing Surface (Check all that a grass/Turf | ft Width:ft Paper Width:ft Width:ft Width:ft Width:ft Width:ft Width:ft Width:ft Width: | Distance From Airport Center:sm Direction From Airport:degrees true Airport Elevation:ft. msl Condition of Runway/Landing Surface (Check all that apply) Dry | | | | |
| AIRPORT INFORMATION (Fill in Airport Name: Airport Identifier: Proximity to Airport: Off Airport/Airstri Runway Information Runway ID:(L/R/C) Length: Runway/Landing Surface (Check all that a Check all that a | if accident/incident occurred on application of the poly of the po | Distance From Airport Center:sm Direction From Airport:degrees true Airport Elevation:ft. msl Condition of Runway/Landing Surface (Check all that apply) Dry | | | | |
| AIRPORT INFORMATION (Fill in Airport Name: Airport Identifier: Proximity to Airport: Off Airport/Airstri Runway Information Runway ID: (L/R/C) Length: Runway/Landing Surface (Check all that a Check all th | if accident/incident occurred on application of the poly of the po | Distance From Airport Center:sm Direction From Airport:degrees true Airport Elevation:ft. msl Condition of Runway/Landing Surface (Check all that apply) Dry | | | | |
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| AIRPORT INFORMATION (Fill in Airport Name: Airport Identifier: Proximity to Airport: Off Airport/Airstri Runway Information Runway ID: | if accident/incident occurred on application of the poly of the po | Distance From Airport Center:sm Direction From Airport:degrees true Airport Elevation:ft. msl Condition of Runway/Landing Surface (Check all that apply) Dry | | | | |

| "FLIGHT CREWMEME | BER 1" INF | ORMATIC | N | | | | | | | |
|---|---|--|--------------------|-----------------------------|---|----------------------------|--|-------------------|-----------------------|------------------------|
| "Flight Crewmember 1" Res Pilot O Co-Pilot | ponsibilities at O Student Pilot | the Time of A | | ident Check Pilot | O Fligh | nt Engineer | O Other I | Flight Crew | | |
| "Flight Crewmember 1" was | pilot flying | □Yes □ No | 0 | | | | | | | |
| "Flight Crewmember 1" Ide | ntification | | | | | | | | | |
| First Name: Ted Groesbeck | (| | | | City of Re | sidence: Ke | ey Largo | | | |
| Middle Initial: D | | | | | State: FI | | | ZIP: <u>33037</u> | | |
| Last Name: Groesbeck | | | | | Country: | USA | | | | |
| Age at time of A | Accident/Incide | nt: <u>61</u> | Date of B | irth: | | | m/dd/yyyy | | | |
| | | Ce | rtificate Numl | ber: | | | | | | |
| Degree of Injury | Seat Occupi | ied | | Re | estraint Ty | ре | | | Inflatable F | Restraints |
| O None O Fatal O Minor O Unknown O Serious | LeftRightCenter | O Front O Rear O Single | O Unknow | 'n | Available O None O Lap only O Lap only Used Not Installed Installed | | | | | |
| Pilot Certificate(s) (Check all | that apply) | | | | O 3-poir | | O ³ -point | | Not Dep | |
| □ None □ Flight In ☑ Private □ Recreati □ Student □ Sport | onal | Commercial Airline Transpo Flight Engineer | | | • 4-poir • 5-poir • Unkno | nt | 4-point5-pointUnknow | vn | ☐ Deploye | |
| Dringing Connection M | ledical Certific | ata | | M | adical Cor | tificata Va | 1:2:4 | | Date of Las | t Modical |
| | | Class 3 | | | | tificate Valuitations/waiv | - | nknown | Date of Las | it ivicuicai |
| O Other | Class 1 | | nse (Sport Pilot | only) | | tions/waivers | | | 06/14/20 mm/dd/yy | |
| Medical Certificate Limitation | ons | | | | | | | | | |
| lenses for near and distant vision | n | | | | | | | | | |
| Madical Cartificate Special I | | | | | | | | | | |
| Medical Certificate Special I | ssuance | | | | | | | | | |
| | | <u> </u> | | | | | | | | |
| Date of Last Flight Review | | Flight | Review Airc | raft | | | | | | |
| or Equivalent, Including FAR 121/135 Checks: | | Make: | | | | | | | | |
| | mm/dd/yyyy | Model: | | | | | | | | |
| Airplane Rating(s) | Other Aircraf | | | ent Rating | (s) | | r Rating(s) | | | |
| (Check all that apply) ✓ None | (Check all that a _i ■ None | pply) | ' | that apply) | | (Check all 1 | that apply) | _ | 1 | A : 1 |
| ☐ Single-Engine Land | ☐ Airship | | ✓ None ✓ Airplar | ne | | ✓ None ☐ Airplane | e Single-Engi | | Instrument Instrument | Aırplane Helicopter |
| ☐ Single-Engine Sea | ☐ Balloon | | ☐ Helico | pter | | ☐ Airplane | e Multi-Engir | ne 🗆 | Helicopter | |
| ☐ Multiengine Land☐ Multiengine Sea | ☐ Glider ☐ Gyroplane | | ☐ Powere | ed Lift | | ☐ Gyropla☐ Powered | | | Glider Sport | |
| | ☐ Helicopter | | | | | | . 2110 | _ | a open | |
| Type Ratings | ☐ Powered Lift | | | | | Student E | ndorsemor | nts (Include | dates) | |
| Type Kathigs | | | | | | Student E | andoi seinei | its (include) | uuies) | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| | | | | | | | | ı | | T |
| Flight Time (Enter appropriate | All | This Make | Airplane Single | Airplane | | Insti | ument | | | Lighter |
| number of hours in each box) | Aircraft | & Model | Engine | Multiengin | e Night | Actual | Simulated | Rotorcraft | Glider | Than Air |
| Total Time | 212.5 | 193.8 | | | | 1 | | 212.5 | + | |
| Pilot in Command (PIC) Time as Instructor | 80.2 | | | | | 1 | | 80.2 | | |
| This Make/Model | | | | | | + | | | | |
| Last 90 Days | 112.9 | | | | | + | | 112.9 | | |
| Last 30 Days | 44.5 | | | | | | | 44.5 | <u> </u> | |
| Last 24 Hours | 6 | | | | | | | 6 | | |

| "FLIGHT CREWMEMBER 2" INFORMATION | | | | | | | | | | |
|--|-------------------------|------------------|-----------------------|-------------------------|---------------|-----------------------|----------------------|---------------|---|---------------------|
| "Flight Crewmember 2" FO Pilot O Co-Pilot | | Time of Ac | | lent Check Pilot | O Flig | ght Engineer | OOther F | light Crew | | |
| "Flight Crewmember 2" v | vas pilot flying Y | es 🔲 No |) | | | | | | | |
| "Flight Crewmember 2" I | dentification | | | | | | | | | |
| First Name: | First Name: | | | | | | | | | |
| Middle Initial: | | | | S | tate: | | Z | IP: | | |
| Last Name: | | | | | | | | | | |
| | f Accident/Incident: | | | - | | | /dd/yyyy | | | |
| | | | icate Number | | | | | | | |
| Degree of Injury | Seat Occupied | | 1 (41110 0 | | straint T | `vpe | | 1 | nflatable R | estraints |
| O None O Fatal | OLeft (| Front | O Unknown | | Availab | | Used | | 111111111111111111111111111111111111111 | |
| O Minor O Unknown O Serious | | ORear OSingle | | | O None | | O None | | ☐ Not Inst | alled |
| | | Single | | | O Lap | | O Lap only O 3-point | 7 | ☐ Installed ☐ Not Dep | |
| Pilot Certificate(s) (Check ☐ None ☐ Fligh | t Instructor | narcial | ☐ US Milit | tars, | O 4-po | | O 4-point | | Deploye | |
| ☐ Private ☐ Recre | | e Transport | | lai y | O 5-po | | O 5-point | | Unknow | n |
| ☐ Student ☐ Sport | ☐ Flight | t Engineer | | | O Unki | nown | O Unknow | 'n | | |
| Principal Occupation | Medical Certificate | | | Me | edical Ce | rtificate Val | lidity |] | Date of Las | t Medical |
| O Pilot | O None O Clas | ss 3 | | | | mitations/waiv | - | nknown | | |
| O Other | O Class 1 O Driv | er's License | (Sport Pilot or | | | ations/waivers | | | mm/dd/yy | |
| O Unknown | O Class 2 O Unk | nown | | 10 | Special Iss | suance | | | mm/aa/yy | yy |
| Medical Certificate Limita | ations | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Medical Certificate Specia | al Issuance | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Date of Last Flight Review | V | Flight R | eview Aircra | aft | | | | | | |
| or Equivalent, Including | | | | | | | | | | |
| FAR 121/135 Checks: | mm/dd/yyyy | Model: | | | | | | | | |
| Airplane Rating(s) | Other Aircraft Ra | | Instrumen | nt Rating(s | (2 | Instructor | Rating(s) | | | |
| (Check all that apply) | (Check all that apply) | | (Check all th | | 3) | (Check all th | | | | |
| None | None | | None | | | ☐ None | | | Instrument A | irplane |
| ☐ Single-Engine Land☐ Single-Engine Sea | ☐ Airship ☐ Balloon | | ☐ Airplane ☐ Helicopt | | | ☐ Airplane ☐ Airplane | | | Instrument Helicopter | elicopter |
| | ☐ Glider | | Powered | | | Gyroplan | | | Glider | |
| ☐ Multiengine Sea | ☐ Gyroplane☐ Helicopter | | | | | ☐ Powered | Lift | | Sport | |
| | ☐ Powered Lift | | | | | | | | | |
| Type Ratings | | | | | | Student Er | idorsement | s (Include de | ates) | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | Airplane | | | Inst | rument | | | |
| Flight Time (Enter appropring number of hours in each box) | | s Make Model | Single | Airplane Multiengine | Night | | Simulated | Rotorcraft | Glider | Lighter Than Air |
| Total Time | Aircraft | Nouci | Engine | withtengine | Night | t Actual | Simulateu | Rotorcian | Glidei | Than An |
| Pilot in Command (PIC) | | | | | | | | | | |
| Time as Instructor | | | | | + | | | | | |
| This Make/Model | | | | | | | | | | |
| Last 90 Days | | | | | | | | | | |
| Last 30 Days | | | | | | | | | | |
| Last 24 Hours | | | | | | | | | | |

| ADDITIONAL FLIGHT CREWMEMBERS (Exclusive of cabin crew, complete the following information) | | | | | | | | | |
|---|-------------|---------|--------------------|------------------------------------|---|---|--|---|--|
| Crew Name and Addr | ess | | | | | | Seat Occupie | ed | Injury |
| First Name: Middle Initial: Last Name: | _ | State | City of Residence: | | | | O Left O Center O Right | O Front O Rear O Single O Unknown | O None O Minor O Serious O Fatal O Unknown |
| □ None □ Flight Instructor □ Commercial □ US Military □ Private □ Recreational □ Airline Transport □ Foreign □ Student □ Sport □ Flight Engineer Type Rating/Endorsement for Total Flight Time at the Time | | | | | Restraint Tyl Available O None O Lap Only O 3-point O 4-point O 5-point O Unknown | pe: 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 | | |
| Accident/Incident Aircraft? | | | | | | hrs | Cinknown | | |
| Crew Name and Addr | | | | | | | Seat Occupie | | Injury |
| First Name: City of Residence: Middle Initial: State: ZIP: Last Name: Country: | | | | | | 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) (Check all that apply) □ None □ Flight Instructor □ Commercial □ US Military □ Private □ Recreational □ Airline Transport □ Foreign □ Student □ Sport □ Flight Engineer | | | | | Restraint Tyj Available O None O Lap Only O 3-point O 4-point | Used O None O Lap Only O 3-point O 4-point | Inflatable Restraints Not Installed Installed Not Deployed Deployed | | |
| Type Rating/Endorser Accident/Incident Airo | | | | light Time at ccident/Inci | dent: | hrs | O 5-point O Unknown | O 5-point O Unknown | ☐ Unknown |
| PASSENGER(S) / | OTHER PERSO | NNEL (I | nclude c | abin crew; c | ontinue on s | eparate shee | t if necessary) | | |
| Name and Address | | | | Seat | Injury | Restraint T | уре | Inflatable Restraints | Age |
| First Name: Suzanne Middle Initial: Last Name: Groesbeck OCrew | State: Tx | | | OLeft OCenter ORight OUnknown Row: | O None O Minor O Serious O Fatal O Unknown | Available ONone OLap Only O3-point O4-point O5-point OUnknown | O 3-point O 4-point O 5-point | ✓ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown | ☐ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown |
| First Name: Middle Initial: Last Name: OCrew | State: | ZIP: | | OLeft OCenter ORight OUnknown Row: | O None O Minor O Serious O Fatal O Unknown | Available ONone OLap Only O3-point O4-point O5-point OUnknown | O 3-point O 4-point O 5-point | □ Not Installed □ Installed □ Not Deployed □ Deployed □ Unknown | ☐ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown |
| First Name: Middle Initial: Last Name: OCrew | State: | ZIP: | | OLeft OCenter ORight OUnknown Row: | O None O Minor O Serious O Fatal O Unknown | Available O None O Lap Only O 3-point O 4-point O 5-point O Unknown | O 3-point O 4-point O 5-point | □ Not Installed □ Installed □ Not Deployed □ Deployed □ Unknown | ☐Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown |
| First Name: Middle Initial: Last Name: OCrew | State: | ZIP: | | OLeft OCenter ORight OUnknown Row: | O None O Minor O Serious O Fatal O Unknown | Available ONone OLap Only O3-point O4-point O5-point OUnknown | Used O None O Lap Only O 3-point O 4-point O 5-point | □ Not Installed □ Installed □ Not Deployed □ Deployed □ Unknown | ☐ Under 5 years |

| FLIGHT ITINERARY | INFORMATIO | N | | | | | | |
|---|--|------------------------------|---|-----------------|-------------------------------------|----------------------|-----------------|--|
| Last Departure Point | Tin | ne of Departure | Destination | on | | Type Fligh | t Plan I | Filed |
| Airport ID: KAIA | T: | 2·20nm | Airport ID: | 84NE | | O None | | O VFR/IFR |
| City: Aliance | | e: 2:30pm | City: Mulle | en | | O Company O Military | | O IFR O Unknown |
| State: Nebraska | Tim | e Zone: <u>mt</u> | State: Neb | | | • VFR | VIIX | Olikilowii |
| Country: | | | Country: U | ISA | | Activated? | OYes | ⊙ No O Unknown |
| Type of ATC Clearance/So | | apply) | | | | | | |
| □ None | ☐ Special VFR ☐ IFR | ☐ Spe | cial IFR R On Top | | ☐ VFR Flight Foll☐ Traffic Advisory | | ☐ Crui ☐ Unk | se nown / NA |
| ☐ Class B☐ Class C☐ Class D☐ | nt/incident occurre Class G Demo Area Warning Area Prohibited Area Restricted Area | ☐ Mili ☐ Airp | tary Operations fort Advisory A Training Area | | □Special □Air Traffic Cont □Unknown | rol Area | | de of In-Flight rrence:) ft msl |
| WEATHER INFORM | ATION AT TH | E ACCIDENT | /INCIDEN | IT SITE | | | | |
| Source of Pilot Weather In | nformation | | | Weather Ob | servation Facility | 7 | | |
| (Check all that apply) | | | | Facility ID: KA | AIA | | | |
| ☐ National Weather Service ☐ Flight Service Station | □ Cor □ Mil | | | Observation Ti | ime: | | | |
| ☐ TV/Radio | ☐ Inte | rnet | | Time Zone: M | lt | | | |
| ✓ Automated Report ☐ Commercial Weather Service | □ Nor te (DUATS) □ Unk | | | Distance from | Accident Site: 78 | | nm | |
| ☑ On-Board Weather | | mown | | Direction from | Accident Site: wes | st | _ degree: | s true |
| Basic Conditions | | Light Condition | on | • | | | | |
| ⊙ VMC | | ODawn | ODusk | | - | nknown | | |
| O IMC O Unknown | | ⊙ Day | ONight | OBrig | ht Night | | | |
| Sky/Lowest Cloud Conditi | ion | Ceiling | | | Temperature: | 20 | (C) or | (E) |
| © Clear | O Thin Broken | None (Clear) | 0 | Obscured | | | | |
| O Few | O Thin Overcast | O Broken | _ | Indefinite | Dew Point: _ | (C |) or _ | (F) |
| O Partial Obscuration O Scattered | O Unknown | O Overcast O Unknown | | | Altimeter Setting: 29.99 in. Hg | | | |
| Lowest Cloud Condition I | Height | Ceiling Height | t | | | or | MI | 3 |
| | | | | ft agl | | | | |
| Wind Direction | Wind Speed | | Wind Gusts | <u> </u> | Visibility | | | |
| □ Variable | □ Calm | | □ Not Gustin | | | | | |
| Variable | Light and Vari | able | ☐ Not Gustii | ing | | : | | |
| -or- | -or- | | -or- | | | <i>'</i> : | miles | |
| Direction: east degrees tru | e Speed: <u>15</u> | kts | Speed: 5 | kts | Density Altitu | | | _ ft |
| Intensity of Precipitation | | t ation (Check all ti | | | Restriction to | | | hat apply) |
| O Light O Moderate | □ None □ Rain | ☐ Drizzle☐ Ice Pellets | ☐ Freezin☐ Snow S | | ✓ None ☐ Blowing Du | □ F | Fog Ground F | ng |
| OHeavy | Snow | Snow Pellets | | ets Shower | ☐ Blowing Sa | ind 🔲 E | Haze | ° Б |
| ⊙ N/A | Hail | Snow Grains | Freezin | ng Drizzle | ☐ Blowing Sn☐ Blowing Sp | | ce Fog Smoke | |
| OUnknown | ☐ Rain Showers | ☐ Ice Crystals | | | ☐ Dust | | Jnknown | |
| Icing Forecast | | Icing Actual | | | Turbulence | | | |
| Amount Type | | Amount | Type | | Type (Check a | ll that apply) | | everity |
| O None O N/A O Trace O Rime | | O None O Trace | O N/A O Rime | | □ None □ Clear Air | | | Light Moderate |
| O Light O Clear | | O Light | O Clear | | ✓ Terrain-Indu | | | Severe |
| O Moderate O Mixed O Severe O Unkno | i | O Moderate O Severe | O Mixe O Unki | | Convective | Turbulence | | Extreme |
| O Unknown | OWII | OUnknown | O Oliki | nown | | | | |
| NOTAMs (D and FDC), | AIRMETS SICK | MFT¢ PIDFDs | in effect et | the time of the | he accident/incid | dent• | | |
| THO I AIMS (D'AIM I'DC), | 21111111111111111111111111111111111111 | 1111 1 29, 1 1 INEE S | in critti at | ane aime of th | ne accident/inch | uciit. | | |
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| _ | TO AIRCRAFT AI | | OPERTY | | |
|-------------------|---|--|--|--|---|
| Aircraft Dan | _ | Aircraft Fire | • | Aircraft Explosion | |
| O None O Minor | SubstantialDestroyed | NoneIn-Flight | O Both Ground and In-Flight O Fire at Unknown Time | NoneIn-Flight | O Both Ground and In-Flight O Explosion at Unknown Time |
| | O Unknown | On-Ground | O Unknown | On-Ground | O Unknown |
| Description | of Damage to Aircraft a | nd Other Property | (Use additional sheet if necessary) | | |
| Hard landing | Main Rotor contacted | the ground and trar | nsmition broke, tail drive shaft broo | ck skids crused took | most of the G force |
| Cabin intact | | | | | |
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| | | | | | |
| | E HISTORY OF FLIC | | | | |
| | | | g circumstances leading to and nat | | |
| | stribution sketch if pertino Provide as much detail as | | ets if needed. State departure time and | and location, services | s obtained, and intended |
| | | - | on 8/3/2018 first stop KOLZ for fue | el next ston KSLB fue | el next ston KONI fuel next |
| | | | 5N/101.26W then to grass strip o | | THOSE GLOP ROTTE TOOL HOSE |
| We arrived a | t Dismal River Golf Co. | irse at annroxamat | ely 4:30pm Mt. to fly over the golf | course from the Nor | th to South over the property I |
| made a left t | urn south of the main b | uildings to the East | at 500ft airspeed 80knots then tu | rned left back West | neading Southwest at 300ft to |
| | | gust caused the he | elicoptor to spin 360 degress twice | e when I had the force | ed landing on the side of the |
| зюре кееріп | g it from rolling over. | | | | |
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| RECOMMENDATION (How | could this | accident/incident ha | ave been pre | vented?) | | | | |
|---|----------------|-----------------------------|---|--------------------|--------------------|------------------|---------------------------|-------------------|
| Operator/Owner Safety Recomm | endation | | | | | | | |
| More awareness of the limitation | ons of the F | enestron tail rotor | in a crosswi | nd and g | round gust | | | |
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| MECHANICAL MALFUN | NCTION/I | FAILURE (If mor | re space is n | eeded, co | ntinue on separ | rate sheet) | | |
| Was there Mechanical Malfund | | | о ориос ю п | 55454, 55 | | | Total Time | e/Cycles |
| (If yes, list the name of the part, man | | | scribe the failu | re.) | | | On Part | 3 |
| | | | | | | | | Hours |
| | | | | | | | | |
| | | | | | | | | Cycles |
| | | | | | | | Time Since | |
| | | | | | | | Inspected/ | Overhauled |
| | | | | | | | | Hours |
| | | | | | | | | |
| FUEL & SERVICES INF | ORMATI | ON | | | | | 1 | |
| Fuel on Board at Last Takeoff | | Fuel Type | | | | | | |
| (Convert from pounds, as necessary) | | O 80/87 | O 115/145 | | O Jet B | O Other, specify | | |
| 142 | Gallons | O 100 Low Lead O 100/130 | Jet AJet A-1 | | O JP8 O Automotive | | | |
| Other Services, if Any, Prior to | Departure | | 0 30071 1 | | O Tidiomotive | | | |
| | . z cpur tur t | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| EVACUATION OF AIRC | RAFT | | | | | | | |
| Was an emergency evacuation | of the aircr | aft performed? | ☐ Yes | □ No | | | | |
| Method of Exit – Describe how | the occupan | ts exited and how ma | any occupants | s evacuate | ed each location | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| OTHER AIRCRAFT O | | \• | | | | | | |
| OTHER AIRCRAFT – C | | | | | | - D | | . A : C1 |
| Aircraft Registration Number | | urer: | | | | | nage to Othe Destroyed | r Aircraft Minor |
| | Model: | | | <u> </u> | | | Substantial | None |
| Registered Owner of Other Air | craft | | | Pilot of | Other Aircraft | | | |
| Name: | | | | Name: _ | | | | |
| City: | | | | City: | | | | |
| State: ZIP: Country: | | | | State: Country: | | _ZIP: | | |
| , | | | | - Juliu y. | | | | |

| ADDITIONAL INF | ADDITIONAL INFORMATION (Please type or print in ink) | | | | | | | |
|------------------------|--|---|-----------------------------------|----------------------|--|--|--|--|
| Use this space if addi | tional space | is needed for any answers. | | | | | | |
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| I HEREBY CERTIF | Y THAT TH | HE ABOVE INFORMATION IS COMPLE | ETE AND ACCURATE TO THE BEST OF I | MY KNOWLEDGE | | | | |
| Date of this Report | Name of 1 | Pilot/Operator: Ted Groesbeck | | | | | | |
| 08/8/2018 | Signature | :: | Ted Groesbeck | | | | | |
| mm/dd/yyyy | | ✓ Check here to electronically sign this of | | | | | | |
| If a Person Other the | | erator is Filing Report | | | | | | |
| | | | T:4 | | | | | |
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| | | electronically sign this document | | | | | | |
| 0r UC | neck nere to | | | | | | | |
| | | FOR NTSB I | | | | | | |
| NTSB Accident/Incid | dent No. | Reviewed by NTSB Regional Office | Name of Investigator | Date Report Received | | | | |
| CEN18TA314 | | Central Region | Jennifer S Rodi | 8/8/18 | | | | |