

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

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

BASIC INFORMATION

Accident/Incident Location Nearest City/Place: <u>Huntsville</u> State: <u>AL</u> ZIP: <u>35756</u> Country: <u>United States</u> Latitude: _____ (dd:mm:ss N/S) Longitude: _____ (ddd:mm:ss E/W)		Date/Time Date: <u>2-24-13</u> Local Time: <u>5:00</u> mm/dd/yyyy Time Zone: <u>Central</u>	
Phase of Operation ☐ Standing ☐ Takeoff (incl. initial climb) ☐ Cruise ☐ Hover ☐ Taxi ☐ Climb ☐ Maneuvering ☐ Other ☐ Descent ☐ Landing ☐ Approach ☒ Unknown		Collision with Other Aircraft ☐ Midair ☐ On-ground ☒ None Altitude of In-Flight Occurrence <u>15 FT</u> ft MSL	

AIRCRAFT INFORMATION

Manufacturer: <u>Air-Tractor</u> Model: <u>AT-301</u> Serial Number: <u>301-0649</u> Registration Number: <u>7310W</u> Amateur-built: ☐ Yes ☒ No		Max Gross Weight: <u>6000</u> lbs Weight at Time of Accident/Incident: <u>4500</u> lbs Location of Center of Gravity at Time of Accident/Incident: <u>Just know</u> inches from ☐ nose or ☐ datum -or- _____ Percent Mean Aerodynamic Cord (% MAC)	
Category of Aircraft ☒ Airplane ☐ Balloon ☐ Blimp/Dirigible ☐ Glider ☐ Gyrocraft ☐ Helicopter ☐ Powered lift ☐ Ultralight ☐ Unknown	Type of Airworthiness Certificate (Check all that apply) Standard ☐ Normal ☒ Restricted ☐ Utility ☐ Limited ☐ Acrobatic ☐ Provisional ☐ Transport ☐ Experimental ☐ Light Sport	Number of Seats: <u>1</u> If Large Aircraft, how many seats for: Flight Crew: _____ Cabin Crew: _____ Passengers: _____	Landing Gear ☐ Retractable Check any additional landing gear configuration that applies: ☐ Tricycle ☒ Tailwheel ☐ Amphibian ☐ High Skid ☐ Emergency Float ☐ Skid ☐ Float ☐ Ski ☐ Hull ☐ Ski/Wheel ☐ Unknown

Type of Maintenance Program ☒ Annual ☐ Conditional (Amateur-built only) ☐ Manufacturer's Inspection Program ☐ Other Approved Inspection Program (AAIP) ☐ Continuous Airworthiness ☐ Other, specify: _____	Last Inspection Type ☐ 100 Hour ☐ Continuous Airworthiness ☐ AAIP ☐ Conditional Inspection ☒ Annual ☐ Unknown	Date Last Inspection: <u>4-20-12</u> mm/dd/yyyy Airframe Total Time: _____ hrs hours measured at (check one) ☐ Last Inspection ☐ Time of Accident/Incident
IFR Equipped ☐ Yes ☒ No ☐ Unknown	Stall Warning System Installed ☐ Yes ☐ No ☐ Unknown	Type of Fire Extinguishing System ☒ None ☐ Specify _____
ELT Installed ELT Activated ☐ Yes ☒ No ☐ Yes ☒ No	ELT Manufacturer: <u>N/A</u> Model/Series: _____ Serial Number: _____ Battery Type: _____ Battery Exp. Date: _____	

Engine Type ☒ Reciprocating ☐ Turbo Jet ☐ Turbo Shaft ☐ Turbo Fan ☐ Turbo Prop ☐ Unknown	Reciprocating Fuel System Type ☒ Carburetor ☐ Fuel Injected	Propeller ☐ Fixed Pitch ☒ Controllable Pitch Manufacturer: <u>Hamilton Standard</u> Model: <u>12A40</u>
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Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. mm/dd/yyyy	Engine Rated Power Measured as (check one) ☒ Horsepower or ☐ lbs of Thrust	Total Time (hours)	Time Since Inspection (hours)	Time Since Overhaul (hours)
Eng. 1	<u>PRSO/H Whitney</u>	<u>1340</u>	<u>227645</u>	<u>Late 20</u>	<u>600HP</u>	<u>6351</u>	<u>4200</u>	<u>1,200</u>
Eng. 2								
Eng. 3								
Eng. 4								

PILOT "A" INFORMATION																																																																																																				
Pilot "A" Responsibilities at the Time of Accident/Incident ☒ Pilot ☐ Co-Pilot ☐ Student Pilot ☐ Flight Instructor ☐ Check Pilot ☐ Flight Engineer ☐ Other Flight Crew																																																																																																				
Pilot "A" Identification First Name: <u>JAMES</u> City: <u>Ryland</u> Middle Initial: <u>R</u> State: <u>AL</u> ZIP: <u>35767</u> Last Name: <u>BREWER</u> Country: <u>USA</u> Age at time of Accident/Incident: <u>55</u> Date of Birth: <u>mm/dd/yyyy</u> <u>57</u> Certificate Number: <u>[REDACTED]</u>																																																																																																				
Degree of Injury ☒ None ☐ Fatal ☐ Minor ☐ Unknown ☐ Serious			Seat Occupied ☐ Left ☐ Front ☐ Unknown ☐ Right ☐ Rear ☐ Center ☐ Single			Seat Belt Used ☒ Yes ☐ No Available ☐ Yes ☐ No			Shoulder Harness Used ☒ Yes ☐ No Available ☐ Yes ☐ No																																																																																											
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Student ☐ Recreational ☒ Commercial ☐ Flight Engineer ☐ Foreign ☐ Private ☐ Flight Instructor ☐ Sport ☐ Airline Transport ☐ U.S. Military																																																																																																				
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 ☒ With limitations/waivers ☐ Unknown			Date of Last Medical <u>4/11/12</u> mm/dd/yyyy																																																																																												
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Medical Certificate Waivers																																																																																																				
Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks: <u>4/3/12</u> mm/dd/yyyy				Flight Review Aircraft Make: <u>Cessna</u> Model: <u>C-210</u>																																																																																																
Airplane Rating(s) (Check all that apply) ☐ None ☒ Single-Engine Land ☐ Single-Engine Sea ☐ Multiengine Land ☐ Multiengine Sea		Other Aircraft Rating(s) (Check all that apply) ☐ None ☐ Airship ☐ Free 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 ☐ Airplane Single-Engine ☐ Airplane Multi-Engine ☐ Gyroplane ☐ Powered Lift ☐ Instrument Airplane ☐ Instrument Helicopter ☐ Helicopter ☐ Glider ☐ Sport																																																																																														
Type Ratings						Student Endorsements (Include dates)																																																																																														
320.7 <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Flight Time (enter appropriate number of hours in each box)</th> <th rowspan="2">All Aircraft</th> <th rowspan="2">This Make & Model</th> <th rowspan="2">Airplane Single Engine</th> <th rowspan="2">Airplane Multiengine</th> <th rowspan="2">Night</th> <th colspan="2">Instrument</th> <th rowspan="2">Rotorcraft</th> <th rowspan="2">Glider</th> <th rowspan="2">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> </thead> <tbody> <tr> <td>Total Time</td> <td>7,042.5</td> <td>320.7</td> <td>7,042.5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pilot in Command (PIC)</td> <td>6,891.8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Time as Instructor</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>This Make/Model</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td>10.7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td>7.2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td>6.5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>											Flight Time (enter appropriate number of hours in each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time	7,042.5	320.7	7,042.5								Pilot in Command (PIC)	6,891.8										Time as Instructor											This Make/Model											Last 90 Days	10.7										Last 30 Days	7.2										Last 24 Hours	6.5									
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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

Landed aircraft got out normally

WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

Weather Observation Facility Facility ID: _____ Observation Time: _____ Time Zone: _____ Distance from Accident Site: _____ NM Direction from Accident Site: _____ degrees MAG		Source of Weather Information (Check all that apply) ☐ National Weather Service ☐ Flight Service Station ☒ TV/Radio ☐ Automated Report ☐ Commercial Weather Service (DUATS) ☐ Company ☐ Military ☐ Internet ☐ Unknown		Method of Briefing (Check all that apply) ☐ In Person ☐ Teletype ☐ Telephone/Computer ☐ Aircraft Radio ☐ TV/Radio ☐ Unknown
Briefing Type/Completeness ☐ Full ☐ Partial / Limited By Pilot ☐ Partial / Limited By Briefer ☐ Abbreviated ☐ Unknown ☒ Not Pertinent		Light Condition ☒ Dawn ☐ Dusk ☐ Day ☐ Night ☐ Dark Night ☐ Bright Night ☐ Not Reported		Visibility 10 miles
Sky/Lowest Cloud Condition ☒ Clear ☐ Few ☐ Partial Obscuration ☐ Scattered ☐ Thin Broken ☐ Thin Overcast ☐ Unknown		Ceiling ☐ None (clear) ☐ Broken ☐ Overcast ☐ Obscured ☐ Indefinite ☐ Unknown		Restriction to Visibility (Check all that apply) ☒ None ☐ Blowing Dust ☐ Blowing Sand ☐ Blowing Snow ☐ Blowing Spray ☐ Dust ☐ Fog ☐ Ground Fog ☐ Haze ☐ Ice Fog ☐ Smoke ☐ Unknown
Lowest Cloud Condition Height _____ ft AGL		Ceiling Height _____ ft AGL		
Wind Direction ☒ Indicated: _____ degrees MAG ☐ Variable	Wind Speed Velocity: _____ KTS -or- ☒ Calm ☐ Light and Variable	Wind Gusts Velocity: _____ KTS ☐ Gusting ☒ Not Gusting	Type of Turbulence (Check all that apply) ☒ None ☐ Clear Air ☐ In Clouds ☐ Vicinity of Thunderstorm Severity of Turbulence ☐ Extreme ☐ Severe ☐ Moderate ☐ Moderate Chop ☐ Light	

NOTAMs (D, L and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident

N/A

Temperature: 65° (C) or _____ (F) Altimeter Setting: _____ in. HG or _____ MB Density Altitude: _____ ft Dew Point: _____ (C) or _____ (F)	Icing Forecast Amount ☒ None ☐ Trace ☐ Light ☐ Moderate ☐ Severe Type ☐ Rime ☐ Clear ☐ Mixed	Type of Precipitation (Check all that apply) ☒ None ☐ Rain ☐ Snow ☐ Hail ☐ Rain Showers ☐ Freezing Rain ☐ Snow Shower ☐ Drizzle ☐ Ice Pellets ☐ Snow Pellets ☐ Snow Grains ☐ Ice Crystals ☐ Ice Pellets Shower ☐ Freezing Drizzle Intensity of Precipitation ☐ Light ☐ Moderate ☐ Heavy
	Icing Actual Amount ☒ None ☐ Trace ☐ Light ☐ Moderate ☐ Severe Type ☐ Rime ☐ Clear ☐ Mixed	

OWNER/OPERATOR INFORMATION		
Registered Aircraft Owner Name: <u>Lannie H Tower</u> Fractional Ownership Aircraft: ☐ Yes ☒ No		Owner Address City: <u>Madison</u> State: <u>AI</u> ZIP: <u>35756</u> Country: <u>USA</u>
Operator of Aircraft ☒ Same As Registered Owner Name: <u>Lannie Tower</u> Doing Business As: <u>Tower Boys Agri Service</u> Air Carrier/Operator Designator (4 Character Code): _____		Operator Address ☒ Same As Registered Owner City: _____ State: _____ ZIP: _____ Country: _____
Regulation Flight Conducted Under ☐ FAR 91 ☐ FAR 129 ☐ FAR 91 Special Flight ☐ Public Use (select type) ☐ FAR 103 ☐ FAR 133 ☐ Non-US, Commercial ☐ Federal ☐ State ☐ Local ☐ FAR 121 ☐ FAR 135 ☐ Non-US, Non-commercial ☐ Unknown ☐ FAR 125 ☒ FAR 137 ☐ Armed Forces		Revenue Sightseeing Flight ☐ Yes ☒ No Air Medical Flight ☐ Yes ☒ No
Purpose of Flight for FAR 91, 103, 133, 137 (Select one) ☐ Personal ☐ Business ☐ Executive/Corporate ☐ Other Work Use ☐ Instructional ☐ Ferry ☐ Positioning ☒ Aerial Application ☐ Aerial Observation ☐ Air Drop ☐ Air Race / Show ☐ Flight Test ☐ Public Use ☐ Unknown	Revenue Operation for FAR 121, 125, 129, 135 (Select one) ☐ Scheduled or Commuter <u>N/A</u> ☐ Non-Scheduled or Air Taxi Domestic or International ☒ Domestic ☐ International Cargo Operation ☐ Passenger/Cargo ☐ Passenger _____ How many? ☐ Cargo _____ lbs ☐ Mail	Type of Commercial Operating Certificate Held (Select all that apply) ☐ None ☐ Flag Carrier Operating Certificate (121) ☐ Supplemental ☐ Air Cargo ☐ Foreign Air Carriers (129) ☐ Commuter Air Carrier (135) ☐ On-Demand Air Taxi (135) ☐ Large Helicopter (127) ☐ Rotorcraft External Load (133) ☒ - or - ☒ Agricultural Aircraft (137) ☐ Other Operator of Large Aircraft
OTHER AIRCRAFT - COLLISION (If air or ground collision occurred, complete this section for other aircraft)		
Aircraft Registration Number <u>2310N N/A</u>	Manufacturer: <u>N/A</u> Model: _____	Damage to Other Aircraft ☐ Destroyed ☐ Minor ☐ Substantial ☐ None
Registered Owner of Other Aircraft First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		
Pilot of Other Aircraft First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		
MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on separate sheet)		
Was there Mechanical Malfunction/Failure? ☐ Yes ☒ No ☐ Unknown (If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.) 		Total Time/Cycles On Part _____ Hours _____ Cycles Time Since This Part Inspected/Overhauled _____ Hours
DAMAGE TO AIRCRAFT AND OTHER PROPERTY		
Aircraft Damage ☐ None ☐ Substantial ☒ Minor ☐ Destroyed	Aircraft Fire ☒ None ☐ Both Ground and In-Flight ☐ In-Flight ☐ Unknown Origin ☐ On-Ground	Aircraft Explosion ☒ None ☐ Both Ground and In-Flight ☐ In-Flight ☐ Unknown Origin ☐ On-Ground

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

Right wing tip damaged

AIRPORT INFORMATION (If the accident/incident occurred on approach, takeoff or within 3 miles of an airport, complete this section)

Airport Identifier: N/A Distance From Airport Center: _____ SM
 Airport Name: _____ Direction From Airport: _____ degrees MAG
 Proximity to Airport ☐ Off Airport/Airstrip ☐ On Airport ☐ On Airstrip Airport Elevation: _____ ft. MSL

Approach Segment (Select one) NWE
☐ On Instrument Approach ☐ Landing ☐ Base leg ☐ Final ☐ Go Around
☐ Crosswind ☐ Downwind ☐ Low Approach ☐ Aborted Landing (after touchdown)

IFR Approach (Check all that apply)

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

VFR Approach (Check all that apply)

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

Runway Information

Runway ID: _____ (L/R/C) Length: _____ ft Width: _____ ft

Runway/Landing Surface (Check all that apply)

☐ Asphalt ☒ Grass/Turf ☐ Macadam ☐ Water
☐ Concrete ☐ Gravel ☐ Metal/Wood ☐ Unknown
☐ Dirt ☐ Ice ☐ Snow

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 ☐ Unknown
☐ Slush Covered ☐ Vegetation

FLIGHT ITINERARY INFORMATION

Last Departure Point Airport ID: <u>PAW</u> City: _____ State: _____ Country: _____	Time of Departure Time: <u>4:00</u> Time Zone: <u>Central</u>	Destination Airport ID: _____ City: _____ State: _____ Country: _____	Type Flight Plan Filed ☒ None ☐ VFR/IFR ☐ Company VFR ☐ IFR ☐ Military VFR ☐ Unknown ☐ VFR Activated? ☐ Yes ☐ No
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Type of ATC Clearance/Service (Check all that apply)

☒ None ☐ Special VFR ☐ Special IFR ☐ VFR Flight Following ☐ Cruise
☐ VFR ☐ IFR ☐ VFR On Top ☐ Traffic Advisory ☐ Unknown / NA

Airspace where the accident/incident occurred (Check all that apply)

☐ Class A ☐ Class E ☐ Prohibited Area ☐ Jet Training Area ☐ Special
☐ Class B ☐ Class G ☐ Restricted Area ☐ TRSA ☐ Air Traffic Control Area
☐ Class C ☐ Demo Area ☐ Military Operations Area (MOA) ☐ FAR 93 ☐ Unknown
☒ Class D ☐ Warning Area ☐ Airport Advisory Area

Aircraft Load Description (Check all that apply)

☐ None ☐ Towing Glider ☐ Parachutists ☐ Livestock
☐ Passengers ☐ Towing Banner ☐ Water ☐ Unknown
☐ Cargo ☐ Other External ☒ Chemical/Fertilizer/Seeds

FUEL & SERVICES INFORMATION

Fuel on Board at Last Takeoff

(convert from pounds, as necessary)

40 Gallons

Fuel Type

☐ 80/87 ☐ 115/145 ☐ JP3 ☐ Other, specify _____
☒ 100 Low Lead ☐ Jet A ☐ JP4
☐ 100/130 ☐ Automotive ☐ JP5

Other Services, if Any, Prior to Departure

No

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 time and point of departure, intended destination, and services obtained.

~~Took off DOUB in Fld hit TREE~~
Took off DOUB in Fld hit TREE
And THAT'S NO JOKE. 224-13

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

Operator/Owner Safety Recommendation

Quit AQ-FLYING

ADDITIONAL INFORMATION *(Please type or print in ink)*

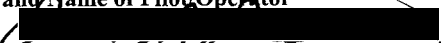
Use this space if additional space is needed for any answers.

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Date of this Report

3 20 13
mm/dd/yyyy

Signature and Name of Pilot/Operator

Signature: 

Type or Print Name:

JAMES RANDALL BREWER

Signature and Name of Person Filing Report if Other than Pilot/Operator

Signature: _____

Type or Print Name: _____

Title: _____

FOR NTSB USE ONLY

NTSB Accident/Incident No.

ERA13CA163

Reviewed by NTSB Regional Office

ERA-VA

Name of Investigator

D. Diaz

Date Report Received

03/29/2013