

**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: Bessemer State: AL
 ZIP: 35022 Country: USA
 Latitude: 33:21:25 N (dd:mm:ss N/S) Longitude: 086:56:52 W (ddd:mm:ss E/W)

Date/Time

Date: 11/25/2013 Local Time: 11:00 am
 mm/dd/yyyy Time Zone: CST

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

2,500 ft MSL

AIRCRAFT INFORMATION

Manufacturer: Cessna

Model: 150 L

Serial Number: 15073460

Registration Number: N16078

Amateur-built: ☐ Yes ☒ No

Max Gross Weight: 1,600 lbs

Weight at Time of Accident/Incident: 1,398 lbs

Location of Center of Gravity at Time of Accident/Incident:

33.4 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
☒ Utility
☐ Acrobatic
☐ Transport

Special

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

Number of Seats: 2

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: 10/23/2013

mm/dd/yyyy

Airframe Total Time: 3,573 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 Hand-held Halon

ELT Installed

☒ Yes ☐ No

ELT Activated

☐ Yes ☒ No

ELT Manufacturer: Leigh Systems

Model/Series: Sharc 7

ELT Aided in Locating Accident/Incident

☐ Yes ☒ No

Serial Number: 11598

Battery Type: MERL BP-1015 Alkaline

Battery Exp. Date: 11/2013

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: McCauley

Model: 1A101/HCM6950

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	Teledyne Continental	O-200-A	199677-9-A	04/21/1969		3,573	10	1,540
Eng. 2								
Eng. 3								
Eng. 4								

OWNER/OPERATOR INFORMATION			
Registered Aircraft Owner Name: <u>Dennis Bergstrazer</u> Fractional Ownership Aircraft: ☐ Yes ☒ No		Owner Address City: <u>Little Falls</u> State: <u>MN</u> ZIP: <u>56345</u> Country: <u>USA</u>	
Operator of Aircraft ☐ Same As Registered Owner Name: <u>Joy Bergstrazer</u> Doing Business As: _____ Air Carrier/Operator Designator (4 Character Code): _____		Operator Address ☐ Same As Registered Owner City: <u>Enterprise</u> State: <u>AL</u> ZIP: <u>36331</u> Country: <u>USA</u>	
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 ☐ 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 (Check 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 _____		Manufacturer: _____ Model: _____	
Registered Owner of Other Aircraft First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		Damage to Other Aircraft ☐ Destroyed ☐ Minor ☐ Substantial ☐ None	
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 <i>(If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)</i> 			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)

There was substantial damage to both wings and a buckle in the fuselage on the right side near the main gear. The nose gear, engine mount and right elevator sustained damage. There was a propeller strike which caused a bend in the propeller. Also, the right wheel and nose wheel pants were broken. There was very minimal property damage as a result of the aircraft accident. A small residential lamp post was significantly bent upon impact with the airplane's right wing. In addition, a few small trees, that were probably recently planted, had some branches broken.

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

Airport Identifier: _____

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)☐ 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☐ Sidestep☐ 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: 9A4City: CourtlandState: ALCountry: USA**Time of Departure**Time: 10:02Time Zone: CST**Destination**Airport ID: EKYCity: BessemerState: ALCountry: USA**Type Flight Plan Filed**☒ None☐ VFR/IFR☐ Company VFR☐ IFR☐ Military VFR☐ Unknown☐ VFRActivated? ☐ Yes ☒ No**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)

11 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**

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

WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE**Weather Observation Facility**Facility ID: KEET AlabasterObservation Time: 9:53 AMTime Zone: CSTDistance from Accident Site: 14 NMDirection from Accident Site: 145 degrees MAG**Source of Weather Information**

(Check all that apply)

- | | |
|--|--|
| ☒ National Weather Service | ☐ Company |
| ☐ Flight Service Station | ☐ Military |
| ☐ TV/Radio | ☒ Internet |
| ☒ Automated Report | ☐ Unknown |
| ☐ Commercial Weather Service (DUATS) | |

Method of Briefing

(Check all that apply)

- | |
|--|
| ☐ In Person |
| ☐ Teletype |
| ☒ Telephone/Computer |
| ☒ Aircraft Radio |
| ☐ TV/Radio |
| ☐ Unknown |

Briefing Type/Completeness

- | | |
|---|--|
| ☒ Full | ☐ Abbreviated |
| ☐ Partial / Limited By Pilot | ☐ Unknown |
| ☐ Partial / Limited By Briefer | ☐ Not Pertinent |

Light Condition

- | | | |
|---|--------------------------------|---------------------------------------|
| ☐ Dawn | ☐ Dusk | ☐ Dark Night |
| ☒ Day | ☐ Night | ☐ Bright Night |
| | | ☐ Not Reported |

Visibility10 miles**Sky/Lowest Cloud Condition**

- | | |
|--|--|
| ☒ Clear | ☐ Thin Broken |
| ☐ Few | ☐ Thin Overcast |
| ☐ Partial Obscuration | ☐ Unknown |
| ☐ Scattered | |

Ceiling

- | | |
|--|-------------------------------------|
| ☒ None (clear) | ☐ Obscured |
| ☐ Broken | ☐ Indefinite |
| ☐ Overcast | ☐ Unknown |

Restriction to Visibility (Check all that apply)

- | | |
|--|-------------------------------------|
| ☒ None | ☐ Fog |
| ☐ Blowing Dust | ☐ Ground Fog |
| ☐ Blowing Sand | ☐ Haze |
| ☐ Blowing Snow | ☐ Ice Fog |
| ☐ Blowing Spray | ☐ Smoke |
| ☐ Dust | ☐ Unknown |

Lowest Cloud Condition Height12,000 ft AGL**Ceiling Height**12,000 ft AGL**Wind Direction**☐ Indicated:
_____ degrees MAG☒ Variable**Wind Speed**Velocity: 6 KTS

-or-

- | |
|---|
| ☐ Calm |
| ☐ Light and Variable |

Wind Gusts

Velocity: _____ KTS

- | |
|---|
| ☐ Gusting |
| ☒ Not Gusting |

Type of Turbulence (Check all that apply)

- | | |
|--|---|
| ☒ None | ☐ In Clouds |
| ☐ Clear Air | ☐ Vicinity of Thunderstorm |

Severity of Turbulence

- | | | |
|----------------------------------|--|--------------------------------|
| ☐ Extreme | ☐ Moderate | ☐ Light |
| ☐ Severe | ☐ Moderate Chop | |

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

FDC 3/7630 EKY FI/T IAP BESSEMER, BESSEMER, AL.

VOR RWY 5, AMDT 6... CHANGE ALTIMETER NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALABASTER ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE S-5 CAT C AND D VISIBILITY 1/4 MILE.

Temperature: 7.2 (C)
or 45 (F)Altimeter Setting: 30.37 in. HG
or _____ MBDensity Altitude: 1,500 ftDew Point: -6.7 (C)
or 19.9 (F)**Icing Forecast****Amount**

- | | |
|--|-----------------------------------|
| ☒ None | ☐ Moderate |
| ☐ Trace | ☐ Severe |
| ☐ Light | |

Type

- | |
|--------------------------------|
| ☐ Rime |
| ☐ Clear |
| ☐ Mixed |

Icing Actual**Amount**

- | | |
|--|-----------------------------------|
| ☒ None | ☐ Moderate |
| ☐ Trace | ☐ Severe |
| ☐ Light | |

Type

- | |
|--------------------------------|
| ☐ Rime |
| ☐ Clear |
| ☐ Mixed |

Type of Precipitation (Check all that apply)

- | | |
|--|---|
| ☒ None | ☐ Drizzle |
| ☐ Rain | ☐ Ice Pellets |
| ☐ Snow | ☐ Snow Pellets |
| ☐ Hail | ☐ Snow Grains |
| ☐ Rain Showers | ☐ Ice Crystals |
| ☐ Freezing Rain | ☐ Ice Pellets Shower |
| ☐ Snow Shower | ☐ Freezing Drizzle |

Intensity of Precipitation

- | | | |
|--------------------------------|-----------------------------------|--------------------------------|
| ☐ Light | ☐ Moderate | ☐ Heavy |
|--------------------------------|-----------------------------------|--------------------------------|

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>Joy</u> Middle Initial: <u>L</u> Last Name: <u>Bergstrazer</u> City: <u>Enterprise</u> State: <u>AL</u> ZIP: <u>36331</u> Country: <u>USA</u> Age at time of Accident/Incident: <u>29</u> Date of Birth: [REDACTED] mm/dd/yyyy Certificate Number: [REDACTED] +																																																																																																				
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) <i>(Check all that apply)</i> ☐ 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>6/3/2013</u> mm/dd/yyyy																																																																																													
Medical Certificate Limitations																																																																																																				
Medical Certificate Waivers																																																																																																				
Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks: <u>09/06/2013</u> mm/dd/yyyy				Flight Review Aircraft Make: <u>Cessna</u> Model: <u>150 L</u>																																																																																																
Airplane Rating(s) <i>(Check all that apply)</i> ☐ None ☒ Single-Engine Land ☐ Single-Engine Sea ☐ Multiengine Land ☐ Multiengine Sea		Other Aircraft Rating(s) <i>(Check all that apply)</i> ☒ None ☐ Airship ☐ Free Balloon ☐ Glider ☐ Gyroplane ☐ Helicopter ☐ Powered Lift		Instrument Rating(s) <i>(Check all that apply)</i> ☒ None ☐ Airplane ☐ Helicopter ☐ Powered Lift		Instructor Rating(s) <i>(Check all that apply)</i> ☒ None ☐ Airplane Single-Engine ☐ Airplane Multi-Engine ☐ Gyroplane ☐ Powered Lift ☐ Instrument Airplane ☐ Instrument Helicopter ☐ Helicopter ☐ Glider ☐ Sport																																																																																														
Type Ratings						Student Endorsements <i>(Include dates)</i>																																																																																														
<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2" style="text-align: left; padding: 5px;">Flight Time <i>(enter appropriate number of hours in each box)</i></th> <th rowspan="2" style="padding: 5px;">All Aircraft</th> <th rowspan="2" style="padding: 5px;">This Make & Model</th> <th rowspan="2" style="padding: 5px;">Airplane Single Engine</th> <th rowspan="2" style="padding: 5px;">Airplane Multiengine</th> <th rowspan="2" style="padding: 5px;">Night</th> <th colspan="2" style="padding: 5px;">Instrument</th> <th rowspan="2" style="padding: 5px;">Rotorcraft</th> <th rowspan="2" style="padding: 5px;">Glider</th> <th rowspan="2" style="padding: 5px;">Lighter Than Air</th> </tr> <tr> <th style="padding: 5px;">Actual</th> <th style="padding: 5px;">Simulated</th> </tr> </thead> <tbody> <tr> <td style="text-align: left; padding: 5px;">Total Time</td> <td style="padding: 5px;">62</td> <td style="padding: 5px;">62</td> <td style="padding: 5px;">62</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">9</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">3</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="text-align: left; padding: 5px;">Pilot in Command (PIC)</td> <td style="padding: 5px;">27</td> <td style="padding: 5px;">27</td> <td style="padding: 5px;">27</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">3</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">0</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="text-align: left; padding: 5px;">Time as Instructor</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="text-align: left; padding: 5px;">This Make/Model</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;">9</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">3</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="text-align: left; padding: 5px;">Last 90 Days</td> <td style="padding: 5px;">17</td> <td style="padding: 5px;">17</td> <td style="padding: 5px;">17</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">3</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">0</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="text-align: left; padding: 5px;">Last 30 Days</td> <td style="padding: 5px;">10</td> <td style="padding: 5px;">10</td> <td style="padding: 5px;">10</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">2</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">0</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="text-align: left; padding: 5px;">Last 24 Hours</td> <td style="padding: 5px;">7</td> <td style="padding: 5px;">7</td> <td style="padding: 5px;">7</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">1</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">0</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </tbody> </table>											Flight Time <i>(enter appropriate number of hours in each box)</i>	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time	62	62	62		9		3				Pilot in Command (PIC)	27	27	27		3		0				Time as Instructor											This Make/Model					9		3				Last 90 Days	17	17	17		3		0				Last 30 Days	10	10	10		2		0				Last 24 Hours	7	7	7		1		0			
Flight Time <i>(enter appropriate number of hours in each box)</i>	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air																																																																																										
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Last 24 Hours	7	7	7		1		0																																																																																													

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.

I departed Courtland AL (9A4) at 16:02 zulu on 25 Nov, heading to Bessemer AL (EKY), a one hour flight, to refuel before continuing onto Enterprise AL (EDN), which was my final destination. This leg was part of a long cross country trip I was making from Little Falls MN (LXL) to bring my plane down south for further flight training. I had attempted to refuel at Courtland, but after only getting 5 gallons the pump ran out of fuel. However, I had topped off my tanks the day before in Greenville IL (GRE), and with a nice tailwind, it had only been a three hour flight to Courtland. With the plane holding 23 gallons of usable fuel and averaging 4.4 gallons an hour with a lean mixture, and adding the five gallons at Courtland, I should have had plenty of fuel. Even at maximum cruising speed, averaging 5.6 gallons an hour, I should have had no less than 1 hour of fuel remaining when I got to Bessemer. However, I wasn't able to check the exact fuel levels before departing Courtland as the night before I had dropped my Fuelhawk fuel gauge into the gas tank, and extensive attempts to get it out were unsuccessful. The fuel indicators in the plane were reading just under a half tank on my departure from Courtland, and they had been accurate upon past assessment.

About fifteen miles out from Bessemer it started to rain and the clouds were getting lower. In order to stay within my VFR minimums I made a 360 degree turn to decent from 5,500 ft to 2,500 ft and then continued onto Bessemer. About 10 miles from the Bessemer airport I made a radio call over the common radio frequency announcing my approach and intent to land. Shortly afterwards my engine started to run rough and so I pulled the carburetor heat thinking it could be carburetor icing. Within 30 seconds my engine started to run normal but within another minute the RPM started to drop significantly and shortly thereafter stopped completely. I attempted to restart the engine but with no success. I quickly looked for a place to land and made an emergency forced landing. To avoid houses and cars I selected a small open field near a new housing development. Upon landing I clipped a small residential lamp post which deflected the plane to a dirt mound among some small trees. The plane came to rest 3.3 miles from the Bessemer airport.

RECOMMENDATION (How could this accident/incident have been prevented?)**Operator/Owner Safety Recommendation**

It is still unclear to what caused the engine failure and the events of the accident are still under investigation. However, in hindsight there are things I would have changed. There had been bad weather forecasted for my final destination later in the afternoon, so that morning wanted to get off the ground and arrive before the change in weather. It's important to note I was scheduled to stop in Bessemer AL (EKY) to refuel and get an updated weather report before proceeding onto my final destination, which was Enterprise AL (EDN). With being on a tight schedule I choose however not to file and activate my flight plan, something I believe to be beneficial and looking back would have changed. In addition, having dropped my fuel gauge into the gas tank and having no way to measure the exact fuel levels that morning makes me question what my course of action could have been at this time. I spent hours the night before in below freezing temperatures trying to retrieve the gauge from the fuel tank with no success. And based on my calculations there should have been plenty of fuel to get to my destination. However with not being able to top off my tanks in Courtland AL (9A4) it was probably unwise for me to have taken off that morning based on calculations.

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

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

The weather information above was recorded prior to take-off that morning. However it's important to note that there was a significant change in weather prior to the accident upon approaching Bessemer AL. At this time I was monitoring the automated weather observing system for the area but no longer have a complete record of this report. Based on observation the sky condition went from CLR to BKN032 OVC043. There was a small amount of precipitation prior to descent but no significant variation in visibility. Winds aloft were from 160 degrees at 30 knots giving me almost a direct headwind. The wind direction and speed reported on the ground was 120 degrees at 6 knots. Although there was a change in weather it had no effect on my ability to stay within VFR minimums and proceeded to the Bessemer AL airport (EKY).

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**Date of this Report**

02/12/2014

mm/dd/yyyy

Signature and Name of Pilot/Operator

Signature: _____

Type or Print Name: Joy Bergstrazer**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.**

ERA14LA048

Reviewed by NTSB Regional Office

ERA-VA

Name of Investigator

Moats

Date Report Received

2/13/2014