

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: KLOU State: KY
 ZIP: _____ Country: USA
 Latitude: 37.8286 (dd:mm:ss N/S) Longitude: -85.5986 (ddd:mm:ss E/W)

Date/Time

Date: 08/07/2012 Local Time: 11:15
 mm/dd/yyyy Time Zone: Eastern

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

8,000 ft MSL

AIRCRAFT INFORMATION

Manufacturer: Cessna

Model: 177b

Serial Number: 17701748

Registration Number: N34283

Amateur-built: ☐ Yes ☒ No

Max Gross Weight: 2500 lbs

Weight at Time of Accident/Incident: _____ lbs

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

_____ 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: 4

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: 09/22/2011

mm/dd/yyyy

Airframe Total Time: 2671.0 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 handheld fire extinguisher
☒ Specify _____

ELT Installed

☒ Yes ☐ No

ELT Activated

☐ Yes ☒ No

ELT Manufacturer: Artex

Model/Series: ELT-200 Series

Serial Number: EO7151

ELT Aided in Locating Accident/Incident

☐ Yes ☒ No

Battery Type: Alkaline/Lithium Battery pack

Battery Exp. Date: 11/20/2014

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: B2D34C208

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	Lycoming	O-360-A1F6	L-1667636-A	1972	180	2670 est.	18 est.	449 est.
Eng. 2								
Eng. 3								
Eng. 4								

OWNER/OPERATOR INFORMATION			
Registered Aircraft Owner Name: <u>Robert W. May and Louis R. Jones</u> Fractional Ownership Aircraft: ☐ Yes ☐ No		Owner Address City: <u>Atlanta</u> State: <u>Ga</u> ZIP: <u>30319</u> Country: <u>USA</u>	
Operator of Aircraft ☒ Same As Registered Owner Name: _____ Doing Business As: _____ 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 ☐ Non-Scheduled or Air Taxi Domestic or International ☐ Domestic ☐ International	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 _____	Manufacturer: _____ 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.) Subtle Attitude Indicator 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 <i>(use additional sheet if necessary)</i> Visible Skin Damage on the upper leading edge of both left and right wings.			
AIRPORT INFORMATION <i>(If the accident/incident occurred on approach, takeoff or within 3 miles of an airport, complete this section)</i>			
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 <i>(Select one)</i> ☐ On Instrument Approach ☐ Landing ☐ Base leg ☐ Final ☐ Go Around ☐ Crosswind ☐ Downwind ☐ Low Approach ☐ Aborted Landing (after touchdown)			
IFR Approach <i>(Check all that apply)</i> ☐ 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 <i>(Check all that apply)</i> ☐ 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		Condition of Runway/Landing Surface <i>(Check all that apply)</i> ☐ 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	
Runway/Landing Surface <i>(Check all that apply)</i> ☐ Asphalt ☐ Grass/Turf ☐ Macadam ☐ Water ☐ Concrete ☐ Gravel ☐ Metal/Wood ☐ Unknown ☐ Dirt ☐ Ice ☐ Snow			
FLIGHT ITINERARY INFORMATION			
Last Departure Point Airport ID: <u>KDVK</u> City: <u>Danville</u> State: <u>KY</u> Country: <u>USA</u>		Time of Departure Time: <u>10:56 Local</u> Time Zone: <u>Eastern</u>	
Destination Airport ID: <u>KEVV</u> City: <u>Evansville</u> State: <u>IN</u> Country: <u>USA</u>		Type Flight Plan Filed ☐ None ☐ VFR/IFR ☐ Company VFR ☒ IFR ☐ Military VFR ☐ Unknown ☐ VFR Activated? ☒ Yes ☐ No	
Type of ATC Clearance/Service <i>(Check all that apply)</i> ☐ None ☐ Special VFR ☐ Special IFR ☐ VFR Flight Following ☐ Cruise ☐ VFR ☒ IFR ☐ VFR On Top ☐ Traffic Advisory ☐ Unknown / NA			
Airspace where the accident/incident occurred <i>(Check all that apply)</i> ☐ 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 <i>(Check all that apply)</i> ☐ 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 <i>(convert from pounds, as necessary)</i> _____ 50 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 Pitot Tube cleaned day prior to departure. Original Departure was scheduled to be the day before actual departure date.			

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: KDVKObservation Time: 10:56Time Zone: EasternDistance from Accident Site: ~54 NMDirection from Accident Site: 37.8286-85.986 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 |

Visibility IMC 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 Height ft AGL**Ceiling Height** ft AGL**Wind Direction**☐ Indicated:
 degrees MAG☐ Variable**Wind Speed**Velocity: KTS

-or-

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

Wind GustsVelocity: 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

METAR FOR KDVK: Attached in separate email

Temperature: (C)
or (F)Altimeter Setting: in. HG
or MBDensity Altitude: ftDew Point: (C)
or (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" 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>Thomas</u> Middle Initial: <u>J</u> Last Name: <u>Solomon</u> Age at time of Accident/Incident: <u>31</u> Date of Birth: <u>mm/dd/yyyy</u> Certificate Number: <u> </u>					City: <u>Roswell</u> State: <u>GA</u> ZIP: <u>30076</u> Country: <u>USA</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>04/13/2012</u> <i>mm/dd/yyyy</i>																																																																																												
Medical Certificate Limitations Must Wear Corrective Lense																																																																																																			
Medical Certificate Waivers																																																																																																			
Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks: <u>04/20/2012</u> <i>mm/dd/yyyy</i>			Flight Review Aircraft Make: <u>BeechJet</u> Model: <u>BE-400</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 SIC BE-400 MU-300						Student Endorsements (Include dates)																																																																																													
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[illegible]

ADDITIONAL FLIGHT CREW MEMBERS (Exclusive of cabin attendants, complete the following information)																
Pilot Name and Address						Degree of Injury										
First Name: _____			City: _____			☐ None		☐ Fatal								
Middle Initial: _____			State: _____ ZIP: _____			☐ Minor		☐ Unknown								
Last Name: _____			Country: _____			☐ Serious										
Pilot Certificate(s) (Check all that apply)						Seat Occupied										
☐ None		☐ Student		☐ Recreational		☐ Commercial		☐ Flight Engineer								
☐ Private		☐ Flight Instructor		☐ Sport		☐ Airline Transport		☐ U.S. Military								
☐ Foreign																
Type Rating/Endorsement for Accident/Incident Aircraft? ☐ Yes ☐ No				Total Flight Time at the Time of this Accident/Incident: _____ hrs		☐ Left		☐ Front								
						☐ Right		☐ Rear								
						☐ Center		☐ Single								
								☐ Unknown								
Pilot Name and Address						Degree of Injury										
First Name: _____			City: _____			☐ None		☐ Fatal								
Middle Initial: _____			State: _____ ZIP: _____			☐ Minor		☐ Unknown								
Last Name: _____			Country: _____			☐ Serious										
Pilot Certificate(s) (Check all that apply)						Seat Occupied										
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☐ Private		☐ Flight Instructor		☐ Sport		☐ Airline Transport		☐ U.S. Military								
☐ Foreign																
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						☐ Center		☐ Single								
								☐ Unknown								
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						☐ Right		☐ Rear								
						☐ Center		☐ Single								
								☐ Unknown								
PASSENGER(S) / OTHER PERSONNEL (Include flight attendants; continue on separate sheet if necessary)						Seat	Crew	Non-Revenue	Revenue	Non-Occupant	FAA	Fatal	Serious Injury	Minor Injury	No Injury	Unknown
Name and Address						_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
First Name: _____																
Middle Initial: _____																
Last Name: _____																
City: _____						_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
State: _____ ZIP: _____																
Country: _____																
First Name: _____						_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Middle Initial: _____																
Last Name: _____																
City: _____																
State: _____ ZIP: _____						_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Country: _____																
First Name: _____						_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Middle Initial: _____																
Last Name: _____																
City: _____																
State: _____ ZIP: _____						_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Country: _____																
First Name: _____						_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Middle Initial: _____																
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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.

Date: 8/7/2011

Aircraft: N34283

PIC: Thomas J. Solomon

License: [REDACTED]

Passenger/Co-Pilot: Alberto Guerrero

Flight Conditions At The Time: IMC

Route of Flight: KDVK - MSY - KEVV

This flight originated at Danville, KY and I departed around 11:00AM. I was in and out of IMC conditions for this first 15 minutes. At 11:15 I started to recognize that I was having difficulty with maintaining my orientation. The attitude indicator started showing me in a 30 degree bank to the right. I was trying to correct based on this information I was interpreting. About 10 seconds later I was not having the desired results from my control inputs. The next thing that I was looking at was a decent rate of 2,000 feet plus an increasing airspeed. The turn coordinator and attitude indicator were supplying conflicting information, and in the course of trying to figure out which instrument was incorrect I was in an unusual attitude. Also at this time the DG was swinging to the left at a rapid rate and then all a sudden it was spinning. All this was occurring in a few seconds. I knew I was in an unusual attitude, but with out visual references I had a very difficult time knowing what corrective action needed to be taken. While in the unusual attitude the plane was not responding to any control inputs I was giving. I was trying my best to correct right. At about 5,000 feet I was in VMC conditions and was recovering from a severe nose down attitude. I remember breaking out of the clouds and I had difficulty focusing my vision. While the plane was in the dive it was exceeding the airspeed limitations of the aircraft. I pulled up in a very gentle manner, fearing the wings could possibly exceed design loads. After recovering from this unusual attitude, I had to take a few seconds to gather my thoughts and get the plane back on course. I visually inspected as much of the wing as I could see. I did not see any visible damage from my point of view. For the rest of the flight I maintained VFR conditions. I noticed no further failure of the Vacuum Instruments until I was on final and the attitude indicator showed me in a 30-degree right turn, and it continued to show that indication the whole duration of the taxi to Tri Aero. After parking I inspected the wings and there was substantial damage to the topside and upper leading edge. Once realizing that this damage occurred, I contacted KEVV Tower and the local FSDO.

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

Operator/Owner Safety Recommendation

This incident could have been easier to prevent if there would have been a backup attitude indicator, and if I had more time to think what instrument was incorrect.

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**

08/14/2012

*mm/dd/yyyy***Signature and Name of Pilot/Operator**

Signature: _____

Type or Print Name: _____

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.**

CEN17LA532

Reviewed by NTSB Regional Office

CEN - CHICAGO

Name of Investigator

T. SORENSON

Date Report Received

15 AUG 2017