

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>Nampa muni MAN</u> State: <u>ID</u> ZIP: <u>83687</u> Country: <u>USA</u> Latitude: <u>43 34 58 N</u> (dd:mm:ss N/S) Longitude: <u>116 31 34 W</u> (ddd:mm:ss E/W)		Date/Time Date: <u>08-30-19</u> Local Time: <u>0837</u> mm/dd/yyyy Time Zone: <u>MOUNTAIN</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 _____ ft MSL

AIRCRAFT INFORMATION

Manufacturer: <u>Experimental Amateur Built Kit Fox</u> Model: <u>532</u> Serial Number: <u>158</u> Registration Number: <u>N87TV</u> Amateur-built: ☒ Yes ☐ No		Max Gross Weight: <u>950</u> lbs Weight at Time of Accident/Incident: <u>842</u> lbs Location of Center of Gravity at Time of Accident/Incident: <u>14.28</u> inches from ☐ nose or ☒ datum -or- _____ Percent Mean Aerodynamic Cord (% MAC)	
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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 ☐ Transport Special ☐ Restricted ☐ Limited ☐ Provisional ☒ Experimental ☒ Special Flight ☒ Light Sport	Number of Seats: <u>2</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
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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>11-24-2018</u> mm/dd/yyyy Airframe Total Time: <u>506.5</u> hrs hours measured at (check one) ☐ Last Inspection ☒ Time of Accident/Incident
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IFR Equipped ☐ Yes ☒ No ☐ Unknown	Stall Warning System Installed ☐ Yes ☒ No ☐ Unknown	Type of Fire Extinguishing System ☒ None ☐ Specify: _____
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ELT Installed ELT Activated ☒ Yes ☐ No ☐ Yes ☒ No	ELT Manufacturer: <u>AmeriKing 406</u> Model/Series: <u>406</u> Serial Number: <u>unknown</u> Battery Type: <u>New ELT Battery 10-13-19</u> Battery Exp. Date: _____	
ELT Aided in Locating Accident/Incident ☐ Yes ☒ No		

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>SENSENICH</u> Model: <u>W62HJ34</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	JABIRU	2200	22A1440	6-21-2014	85 HP	166.5	24.9	DNA
Eng. 2								
Eng. 3								
Eng. 4								

OWNER/OPERATOR INFORMATION			
Registered Aircraft Owner Name: <u>KEN MARRS</u> Fractional Ownership Aircraft: ☐ Yes ☒ No		Owner Address City: <u>Caldwell</u> State: <u>ID</u> ZIP: _____ Country: <u>USA</u>	
Operator of Aircraft ☐ Same As Registered Owner Name: <u>RICHARD Rigenhagen</u> Doing Business As: _____ Air Carrier/Operator Designator (4 Character Code): _____		Operator Address ☐ Same As Registered Owner City: <u>CALDWELL</u> State: <u>ID</u> ZIP: <u>83607</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: _____			
Pilot of Other Aircraft First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____			
Damage to Other Aircraft ☐ Destroyed ☐ Minor ☐ Substantial ☐ None			
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.) <u>THE PLANE HAD A MAULE MODEL SES-P8A P/N TW-102</u> <u>TAILWHEEL INSTALLED. THE TAILWHEEL MOUNTING BOLT</u> <u>WORKED LOOSE AND LOST THE FIBER-LOCKNUT CAUSING</u> <u>ACCESSIVE PLAY IN THE TAILWHEEL, ALLOWING THE</u> <u>WHEEL TO BECOME VERY DIFFICULT TO CONTROL</u> <u>CONTRIBUTING TO LOSS OF DIRECTIONAL CONTROL</u> <u>ON TOUCH DOWN.</u>			Total Time/Cycles On Part <u>unknown</u> Hours _____ Cycles Time Since This Part Inspected/Overhauled <u>unknown</u> 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			

AIRPORT INFORMATION (If the accident/incident occurred on approach, takeoff or within 3 miles of an airport, complete this section)Airport Identifier: MAN ~~MAN~~Distance From Airport Center: 1000 FT SMAirport Name: NAMPA MUNI

Direction From Airport: _____ degrees MAG

Proximity to Airport ☐ Off Airport/Airstrip ☒ On Airport ☐ On AirstripAirport Elevation: 2537 ft. MSL**Approach Segment** (Select one)☐ On Instrument Approach
☐ Crosswind☒ Landing
☐ Downwind☐ Base leg
☐ Low Approach☐ Final
☐ Aborted Landing (after touchdown)☐ Go Around**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 InformationRunway ID: 11-L (L/R/C) Length: 5000 ft Width: 75 FT 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: EUL
City: CALDWELL
State: ID
Country: CANYON

Time of Departure

Time: 0815
Time Zone: MOUNTAIN

Destination

Airport ID: MAN
City: NAMPA
State: ID
Country: CANYON

Type Flight Plan Filed

☒ None ☐ VFR/IFR
☐ Company VFR ☐ IFR
☐ Military VFR ☐ Unknown
☐ VFR
Activated? ☐ 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)7 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

2 DOORS ON PLANE. PILOT + 1 PASSENGER EXITED LEFT SIDE DOOR.

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☒ Day☐ Dusk☐ Night☐ Dark Night☐ Bright Night☐ Not Reported**Visibility**

CAVU 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

NONE

Temperature: _____ (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**Icing Actual**

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

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: Richard
Middle Initial: D
Last Name: Rigenhagen

City: Caldwell
State: ID ZIP: 83607
Country: USA

Age at time of Accident/Incident: 75 Date of Birth: mm/dd/yyyy 44 Certificate Number: mm/dd/yyyy

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

LSA
mm/dd/yyyy

Medical Certificate Limitations**Medical Certificate Waivers****Date of Last Flight Review
or Equivalent, Including
FAR 121/135 Checks:**

03-9-2019
mm/dd/yyyy

Flight Review Aircraft

Make: T-Craft
Model: BC12D

**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 ☐ Instrument Airplane
☐ Airplane Single-Engine ☐ Instrument Helicopter
☐ Airplane Multi-Engine ☐ Helicopter
☐ Gyroplane ☐ Glider
☐ Powered Lift ☐ Sport

Type Ratings

Private Pilot

Student Endorsements (Include dates)**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	2203.4	25	2203.4		76.3					
Pilot in Command (PIC)					76.3					
Time as Instructor	0									
This Make/Model										
Last 90 Days	10	10								
Last 30 Days	2.8	2.8								
Last 24 Hours	0	0	10							

PILOT "B" INFORMATION**Pilot "B" Responsibilities at the Time of Accident/Incident**

☐ Pilot ☐ Co-Pilot ☐ Student Pilot ☐ Flight Instructor ☐ Check Pilot ☐ Flight Engineer ☐ Other Flight Crew

Pilot "B" Identification

First Name: _____
Middle Initial: _____
Last Name: _____

City: _____
State: _____ ZIP: _____
Country: _____

Age at time of Accident/Incident: _____ Date of Birth: _____ mm/dd/yyyy
Certificate Number: _____

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

mm/dd/yyyy

Medical Certificate Limitations**Medical Certificate Waivers****Date of Last Flight Review
or Equivalent, Including
FAR 121/135 Checks:**

mm/dd/yyyy

Flight Review Aircraft

Make: _____
Model: _____

**Airplane Rating(s)
(Check all that apply)**

☐ 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 ☐ Instrument Airplane
☐ Airplane Single-Engine ☐ Instrument Helicopter
☐ Airplane Multi-Engine ☐ Helicopter
☐ Gyroplane ☐ Glider
☐ Powered Lift ☐ Sport

Type Ratings**Student Endorsements (Include dates)****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										
Pilot in Command (PIC)										
Time as Instructor										
This Make/Model										
Last 90 Days										
Last 30 Days										
Last 24 Hours										

ADDITIONAL FLIGHT CREW MEMBERS (Exclusive of cabin attendants, complete the following information)**Pilot Name and Address**

First Name: NOAH City: _____
Middle Initial: _____ State: _____ ZIP: _____
Last Name: _____ Country: _____

Degree of Injury

☐ None ☐ Fatal
☐ Minor ☐ Unknown
☐ Serious

Pilot Certificate(s) (Check all that apply)

☐ None ☐ Student ☐ Recreational ☐ Commercial ☐ Flight Engineer ☐ Foreign
☐ Private ☐ Flight Instructor ☐ Sport ☐ Airline Transport ☐ U.S. Military

Seat Occupied

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

Type Rating/Endorsement for Accident/Incident Aircraft?

☐ Yes ☐ No

Total Flight Time at the Time of this Accident/Incident:

____ hrs

Pilot Name and Address

First Name: _____ City: _____
Middle Initial: _____ State: _____ ZIP: _____
Last Name: _____ Country: _____

Degree of Injury

☐ None ☐ Fatal
☐ Minor ☐ Unknown
☐ Serious

Pilot Certificate(s) (Check all that apply)

☐ None ☐ Student ☐ Recreational ☐ Commercial ☐ Flight Engineer ☐ Foreign
☐ Private ☐ Flight Instructor ☐ Sport ☐ Airline Transport ☐ U.S. Military

Seat Occupied

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

Type Rating/Endorsement for Accident/Incident Aircraft?

☐ Yes ☐ No

Total Flight Time at the Time of this Accident/Incident:

____ hrs

Pilot Name and Address

First Name: _____ City: _____
Middle Initial: _____ State: _____ ZIP: _____
Last Name: _____ Country: _____

Degree of Injury

☐ None ☐ Fatal
☐ Minor ☐ Unknown
☐ Serious

Pilot Certificate(s) (Check all that apply)

☐ None ☐ Student ☐ Recreational ☐ Commercial ☐ Flight Engineer ☐ Foreign
☐ Private ☐ Flight Instructor ☐ Sport ☐ Airline Transport ☐ U.S. Military

Seat Occupied

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

Type Rating/Endorsement for Accident/Incident Aircraft?

☐ Yes ☐ No

Total Flight Time at the Time of this Accident/Incident:

____ hrs

PASSENGER(S) / OTHER PERSONNEL (Include flight attendants; continue on separate sheet if necessary)**Name and Address**

First Name: Carol City: Caldwell
Middle Initial: _____ State: ID ZIP: 83607
Last Name: Righenhagen Country: USA

Seat**Crew****Non-Revenue****Revenue****Non-Occupant****F.A.A.****Fatal****Serious****Injury****Minor****Injury****No Injury****Unknown**

First Name: _____ City: _____
Middle Initial: _____ State: _____ ZIP: _____
Last Name: _____ Country: _____

First Name: _____ City: _____
Middle Initial: _____ State: _____ ZIP: _____
Last Name: _____ Country: _____

First Name: _____ City: _____
Middle Initial: _____ State: _____ ZIP: _____
Last Name: _____ Country: _____

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Last Name: _____ Country: _____

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Middle Initial: _____ State: _____ ZIP: _____
Last Name: _____ Country: _____

First Name: _____ City: _____
Middle Initial: _____ State: _____ ZIP: _____
Last Name: _____ Country: _____

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.

August 30, 2019 my wife Carol E. & I departed Caldwell airport to fly to nampa (MAN) To have breakfast at airport restaurant. The weather was clear and calm. On takeoff about 1-2 seconds before liftoff I noted a quite severe shimmy in tailwheel. (Very unusual) 0815 AM. Short flight to nampa uneventful. 0837 we touched down at (MAN) done a smooth wheel landing. But when the tailwheel touched down there was a severe shimmy, then the plane done a sharp sudden hard right turn which hard full left rudder could not correct. I then rapidly applied left brake, but could not catch or correct the hard right turn. Then I hit both brakes to slow the plane, But that little plane has powerful brakes. I heard screech of rubber, then nose of plane & Prop. struck the pavement before the plane departed runway and then the plane's nose dug into dirt and flipped the plane upside down. Carol E & I got the left side door open & exited the plane before anybody got to us.

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

Operator/Owner Safety Recommendation

Obviously I missed the loose bolt holding the tailwheel to the tail spring on my preflight. The loose bolt no doubt caused the hard shimmy of the tailwheel and allowed the tailwheel to rotate left, throwing tail to the left which caused the plane to do hard right turn off the runway. My hard braking obviously caused the plane to nose over causing the plane to flip on its back. From this day forward I will spend much more detailed preflight inspection of aircraft. I have over 1,200 HRS. in tailwheel aircraft & this is my greatest embarrassment ever! I am eternally thankful that my wife was not hurt, worst! In fact, she cannot wait to fly again!

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

09-10-2019

mm/dd/yyyy

Signature and Name of Pilot/Operator

Signature:

Type or Print Name: Richard D. Rigenhagen

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.

WPR19TA248

Reviewed by NTSB Regional Office

WPR

Name of Investigator

LINK

Date Report Received

9/10/2019