

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

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

BASIC INFORMATION

Accident/Incident Location
 Nearest City/Place: Missoula State: MT
 ZIP: 59808 Country: USA
 Latitude: 46.92°N Longitude: 114.08°W
(Enter in decimal degrees or degrees:minutes:seconds)

Accident/Incident Date/Time
 Date: ~~06/28/2022~~ Local Time: 10:00 AM
06/27/2022 Time Zone: Mountain
 Collision with Other Aircraft: Midair On-ground None

AIRCRAFT INFORMATION

Registration Number: N12VV
 Manufacturer: James C Geyman
 Model: BV-9A
 Serial Number: ~~9~~ 93267
 Year of Manufacture: 2022
 Amateur-Built: Yes No If Yes: Kit/Plans Original Design Make: Van's Aircraft

IFR-Equipped and Certified
 Commercial Space Flight
 Unmanned Aircraft
 Maximum Gross Weight: 1750 lbs
 Weight at Time of Accident/Incident: 1400 lbs
 Number of Seats: 2 Flight Crew Seats: 1
 Cabin Crew Seats: 0 Passenger Seats: 1
 Number of Engines: 1

Category of Aircraft

- Airplane
- Balloon
- Blimp/Dirigible
- Glider
- Gyroplane
- Helicopter
- Powered Lift
- Rocket
- Ultralight
- Unknown

Type of Airworthiness Certificate
(Check all that apply)

- | Standard | Special |
|---|---|
| <input type="checkbox"/> Normal | <input type="checkbox"/> Restricted |
| <input type="checkbox"/> Aerobatic | <input type="checkbox"/> Limited |
| <input type="checkbox"/> Balloon | <input type="checkbox"/> Provisional |
| <input type="checkbox"/> Commuter | <input type="checkbox"/> Special Flight |
| <input type="checkbox"/> Transport | <input checked="" type="checkbox"/> Experimental |
| <input type="checkbox"/> Utility | <input type="checkbox"/> Special Light-Sport |
| | <input type="checkbox"/> Experimental Light-Sport |
| <input type="checkbox"/> Certificate of Authorization or Waiver (COA) | |
| <input type="checkbox"/> None <input type="checkbox"/> Unknown | |

Landing Gear
(Check all that apply)

- Retractable
- Tricycle
- Tailwheel
- Amphibian
- High Skid
- Emergency Float
- Skid
- Float
- Ski
- Hull
- Ski/Wheel
- Other Launch/Recovery System
- None
- Unknown

Engine Type *(Select one)*

- Reciprocating
- Turbo Shaft
- Turbo Prop
- Turbo Jet
- Turbo Fan
- Electric
- Liquid Rocket
- Solid Rocket
- Hybrid Rocket
- None
- Unknown

Fuel System Type *(Reciprocating)*

- Carburetor
- Fuel-Injected

Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. mm/dd/yyyy	Rated Power <input checked="" type="radio"/> Horsepower or <input type="radio"/> lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Overhaul (hours)
Eng. 1	<u>Lycoming</u>	<u>O-360 Thunderbolt</u>	<u>EL-43893-</u>	<u>2021</u>	<u>180</u>	<u>~8</u>	<u>~8</u>	<u>(new from Lycoming)</u>
Eng. 2		<u>(O-360-EXP 278)</u>	<u>36F</u>					
Eng. 3								<u>(from memory - logbook in plane)</u>
Eng. 4								

Last Inspection Type Initial
 100-Hour Continuous Airworthiness
 AAIP Conditional Inspection
 Annual Unknown
 Date Last Inspection: 6-7-2022
6/27/2022
mm/dd/yyyy

Airframe Total Time: ~9 hrs
 hours measured at *(Select one)*
 Last Inspection Time of Accident/Incident

Type of Maintenance Program *(Select one)*
 Annual
 Conditional (Amateur-built only)
 Manufacturer's Inspection Program
 Other Approved Inspection Program (AAIP)
 Continuous Airworthiness
 Other, specify: _____

Description of Fire Extinguishing System
 None
 Specify: _____

Propeller 1 Fixed Pitch Controllable Pitch Ground Adjustable
 Manufacturer: Sensenich
 Model: 260MB CT2-RG

ELT Installed: Yes No
 If Yes:
 ELT Manufacturer: ACK
 Model or Part No.: _____
 TSO No.: C91 (121.5 MHz) C91a (121.5 MHz)
 C126 (406 MHz)

Was ELT still mounted in aircraft? Yes No
 Was ELT still connected to antenna? Yes No
 Did ELT Activate? Yes No
 If activated:
 Did ELT Aid in Locating Aircraft: Yes No
 If not activated:
 Indicate Reason: Impact Damage
 Fire Damage
 Battery Expired/Damaged
 Unknown

Propeller 2 Fixed Pitch Controllable Pitch Ground Adjustable
 Manufacturer: _____
 Model: _____

Additional Equipment *(Check all that apply)*
 ADS-B
 Airframe Parachute
 Angle of Attack Indicator
 Autopilot
 Data Recorder (Garmin G3X)
 Electronic Flight Bag or Handheld Device
 Electronic Multifunction Display
 Electronic Primary Flight Display
 Handheld GPS
 Heads Up Display
 Onboard Weather
 Satellite Tracking Device
 Stall Warning System
 Video Recording Device
 Other, Specify: _____

OWNER/OPERATOR INFORMATION

Registered Aircraft Owner
 Name: James C Geyman City: Missoula
 State: MT ZIP: 59808
 Fractional Ownership Aircraft: Yes No Country: USA

Operator of Aircraft Same As Registered Owner Same Address as Registered Owner
 Name: _____ City: _____
 Doing Business As: _____ State: _____ ZIP: _____
 Air Carrier/Operator Designator (4 Character Code): _____ Country: _____

Operating Certificates Held
 (Check all that apply)
 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)
 On-Demand Air Taxi (FAR 135)
 Commercial Air Tour (FAR 136)
 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

Regulation Flight Conducted Under
 FAR 91 FAR 129 FAR 415
 FAR 103 FAR 133 FAR 431
 FAR 121 FAR 135 FAR 435
 FAR 125 FAR 137 FAR 437
 FAR 91 Special Flight
 Non-US, Commercial
 Non-US, Non-commercial
 Public Aircraft (Select one)
 Armed Forces
 Federal
 State
 Local
 Unknown

Revenue Operation for FAR 121, 125, 129, 135
 (Select one for each group)
 Scheduled or Commuter Domestic
 Non-Scheduled or Air Taxi International
 Passenger
 Cargo
 Mail Contract Only

Purpose of Flight for FAR 91, 103, 133, 137
 (Select one)
 Aerial Application Firefighting Unknown
 Aerial Observation Flight Test
 Air Drop Glider Tow
 Air Race/Show Instructional
 Banner Tow Other Work Use
 Business Personal
 Executive/Corporate Positioning
 External Load Skydiving
 Ferry

Revenue Sightseeing Flight
 Yes No

Air Medical Flight
 Yes No

AIRPORT INFORMATION (Fill in if accident/incident occurred on approach, landing, takeoff, departure, or within 3 miles of an airport)

Airport Name: Missoula Airport
 Airport Identifier: KMSO
 Proximity to Airport: Off Airport/Airstrip On Airport/Airstrip N/A

Distance From Airport Center: 1/2 sm
 Direction From Airport: not sure degrees true
 Airport Elevation: ~~3400~~ 3200 ft. msl

Runway Information
 Runway ID: 30/12 (L/R/C) Length: 9,500 ft Width: 150 ft

Runway/Landing Surface (Check all that apply)
 Asphalt Grass/Turf Macadam Water
 Concrete Gravel Metal/Wood
 Dirt Ice Snow Unknown

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
 Slush-Covered Vegetation Unknown

Approach/Departure Segment (Select one)
 Taxi VFR Departure On Instrument Approach Downwind Low Approach
 Takeoff IFR Departure Procedure/Clearance Landing Base Go Around
 Initial Climb Final Aborted Landing (after touchdown)
 Crosswind Unknown

IFR Approach (Check all that apply)
 None
 ADF/NDB PAR MLS Practice
 SDF Sidestep LDA GPS
 VOR/TVOR ILS ASR
 VOR/DME Localizer Only Visual
 TACAN LOC-back course Contact
 RNAV Circling
 Unknown

VFR Approach (Check all that apply)
 None
 Traffic Pattern Stop and Go
 Straight-In Touch and Go
 Valley/Terrain Following Simulated Forced Landing
 Go Around Forced Landing
 Full Stop Precautionary Landing
 Unknown

OWNER/OPERATOR INFORMATION

Registered Aircraft Owner
 Name: James C Geyman City: Missoula
 State: MT ZIP: 59808
 Fractional Ownership Aircraft: Yes No Country: USA

Operator of Aircraft Same As Registered Owner Same Address as Registered Owner
 Name: _____ City: _____
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 Air Carrier/Operator Designator (4 Character Code): _____ Country: _____

Operating Certificates Held
 (Check all that apply)
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 Supplemental
 Air Cargo
 Foreign Air Carriers (FAR 129)
 Rotorcraft External Load (FAR 133)
 Commuter Air Carrier (FAR 135)
 On-Demand Air Taxi (FAR 135)
 Commercial Air Tour (FAR 136)
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 Pilot School (FAR 141)
 Certificate of Authorization or Waiver (COA)
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 Experimental Permit
 Commercial Space Transportation License
 Other Operator of Large Aircraft

Regulation Flight Conducted Under
 FAR 91 FAR 129 FAR 415
 FAR 103 FAR 133 FAR 431
 FAR 121 FAR 135 FAR 435
 FAR 125 FAR 137 FAR 437
 FAR 91 Special Flight
 Non-US, Commercial
 Non-US, Non-commercial
 Public Aircraft (Select one)
 Armed Forces
 Federal
 State
 Local
 Unknown

Revenue Operation for FAR 121, 125, 129, 135
 (Select one for each group)
 Scheduled or Commuter Domestic
 Non-Scheduled or Air Taxi International
 Passenger
 Cargo
 Mail Contract Only

Purpose of Flight for FAR 91, 103, 133, 137
 (Select one)
 Aerial Application Firefighting Unknown
 Aerial Observation Flight Test
 Air Drop Glider Tow
 Air Race/Show Instructional
 Banner Tow Other Work Use
 Business Personal
 Executive/Corporate Positioning
 External Load Skydiving
 Ferry

Revenue Sightseeing Flight
 Yes No

Air Medical Flight
 Yes No

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 Rough Snow-Wet Wet
 Rubber Deposits Soft
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 Takeoff IFR Departure Procedure/Clearance Landing Base Go Around
 Initial Climb Final Aborted Landing (after touchdown)
 Crosswind Unknown

IFR Approach (Check all that apply)
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 ADF/NDB PAR MLS Practice
 SDF Sidestep LDA GPS
 VOR/TVOR ILS ASR
 VOR/DME Localizer Only Visual
 TACAN LOC-back course Contact
 RNAV Circling
 Unknown

VFR Approach (Check all that apply)
 None
 Traffic Pattern Stop and Go
 Straight-In Touch and Go
 Valley/Terrain Following Simulated Forced Landing
 Go Around Forced Landing
 Full Stop Precautionary Landing
 Unknown

"FLIGHT CREWMEMBER 1" INFORMATION

"Flight Crewmember 1" Responsibilities at the Time of Accident/Incident

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

"Flight Crewmember 1" was pilot flying Yes No

"Flight Crewmember 1" Identification

First Name: James City of Residence: Missoula
 Middle Initial: C State: MT ZIP: 59808
 Last Name: Geyman Country: USA
 Age at time of Accident/Incident: 61 Date of Birth: 12/61 mm/dd/yyyy
 Certificate Number: [REDACTED]

Degree of Injury <input type="radio"/> None <input type="radio"/> Fatal <input type="radio"/> Minor <input type="radio"/> Unknown <input checked="" type="radio"/> Serious	Seat Occupied <input checked="" type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Unknown <input type="radio"/> Right <input type="radio"/> Rear <input type="radio"/> Center <input type="radio"/> Single	Restraint Type <table border="1"> <tr> <th>Available</th> <th>Used</th> </tr> <tr> <td><input type="radio"/> None</td> <td><input type="radio"/> None</td> </tr> <tr> <td><input type="radio"/> Lap only</td> <td><input type="radio"/> Lap only</td> </tr> <tr> <td><input type="radio"/> 3-point</td> <td><input type="radio"/> 3-point</td> </tr> <tr> <td><input checked="" type="radio"/> 4-point</td> <td><input checked="" type="radio"/> 4-point</td> </tr> <tr> <td><input type="radio"/> 5-point</td> <td><input type="radio"/> 5-point</td> </tr> <tr> <td><input type="radio"/> Unknown</td> <td><input type="radio"/> Unknown</td> </tr> </table>	Available	Used	<input type="radio"/> None	<input type="radio"/> None	<input type="radio"/> Lap only	<input type="radio"/> Lap only	<input type="radio"/> 3-point	<input type="radio"/> 3-point	<input checked="" type="radio"/> 4-point	<input checked="" type="radio"/> 4-point	<input type="radio"/> 5-point	<input type="radio"/> 5-point	<input type="radio"/> Unknown	<input type="radio"/> Unknown	Inflatable Restraints <input checked="" type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown
Available	Used																
<input type="radio"/> None	<input type="radio"/> None																
<input type="radio"/> Lap only	<input type="radio"/> Lap only																
<input type="radio"/> 3-point	<input type="radio"/> 3-point																
<input checked="" type="radio"/> 4-point	<input checked="" type="radio"/> 4-point																
<input type="radio"/> 5-point	<input type="radio"/> 5-point																
<input type="radio"/> Unknown	<input type="radio"/> Unknown																

Pilot Certificate(s) (Check all that apply)

<input type="checkbox"/> None	<input type="checkbox"/> Flight Instructor	<input type="checkbox"/> Commercial	<input type="checkbox"/> US Military
<input checked="" type="checkbox"/> Private	<input type="checkbox"/> Recreational	<input type="checkbox"/> Airline Transport	<input type="checkbox"/> Foreign
<input type="checkbox"/> Student	<input type="checkbox"/> Sport	<input type="checkbox"/> Flight Engineer	

Principal Occupation <input checked="" type="radio"/> Pilot <input type="radio"/> Other <input type="radio"/> Unknown	Medical Certificate <input type="radio"/> None <input checked="" type="radio"/> Class 3 <input type="radio"/> Class 1 <input type="radio"/> Driver's License (Sport Pilot only) <input type="radio"/> Class 2 <input type="radio"/> Unknown	Medical Certificate Validity <input type="radio"/> Without limitations/waivers <input type="radio"/> Unknown <input checked="" type="radio"/> With limitations/waivers <input type="radio"/> N/A <input type="radio"/> Special Issuance	Date of Last Medical _____ mm/dd/yyyy
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Medical Certificate Limitations
must wear corrective glasses

Medical Certificate Special Issuance

Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks: <u>06/20/2022</u> mm/dd/yyyy	Flight Review Aircraft Make: <u>Yaris (Charles B Darland)</u> Model: <u>RV-9A</u>
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Airplane Rating(s) (Check all that apply) <input type="checkbox"/> None <input checked="" type="checkbox"/> Single-Engine Land <input type="checkbox"/> Single-Engine Sea <input type="checkbox"/> Multiengine Land <input type="checkbox"/> Multiengine Sea	Other Aircraft Rating(s) (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Airship <input type="checkbox"/> Balloon <input type="checkbox"/> Glider <input type="checkbox"/> Gyroplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	Instrument Rating(s) (Check all that apply) <input type="checkbox"/> None <input checked="" type="checkbox"/> Airplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	Instructor Rating(s) (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Airplane Single-Engine <input type="checkbox"/> Airplane Multi-Engine <input type="checkbox"/> Gyroplane <input type="checkbox"/> Powered Lift <input type="checkbox"/> Instrument Airplane <input type="checkbox"/> Instrument Helicopter <input type="checkbox"/> Helicopter <input type="checkbox"/> Glider <input type="checkbox"/> Sport
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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	1350	800	1350	∅	200	50	100	∅	∅	∅
Pilot in Command (PIC)	1300	800	1300	∅	200	50	100	∅	∅	∅
Time as Instructor					50					
This Make/Model										
Last 90 Days	37	37	37							
Last 30 Days	27	27	27							
Last 24 Hours	4	4	4							

"FLIGHT CREWMEMBER 2" INFORMATION

"Flight Crewmember 2" Responsibilities at the Time of Accident/Incident

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

"Flight Crewmember 2" was pilot flying Yes No

"Flight Crewmember 2" Identification

First Name: _____

Middle Initial: _____

Last Name: _____

City of Residence: _____

State: _____

ZIP: _____

Country: _____

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

Certificate Number: _____

(Solo for pilot) - phase 1 flight test of new plane

N/A

Degree of Injury

- None
 Fatal
 Minor
 Unknown
 Serious

Seat Occupied

- Left
 Front
 Unknown
 Right
 Rear
 Center
 Single

Restraint Type

- | Available | Used |
|--------------------------------|--------------------------------|
| <input type="radio"/> None | <input type="radio"/> None |
| <input type="radio"/> Lap only | <input type="radio"/> Lap only |
| <input type="radio"/> 3-point | <input type="radio"/> 3-point |
| <input type="radio"/> 4-point | <input type="radio"/> 4-point |
| <input type="radio"/> 5-point | <input type="radio"/> 5-point |
| <input type="radio"/> Unknown | <input type="radio"/> Unknown |

Inflatable Restraints

- Not Installed
 Installed
 Not Deployed
 Deployed
 Unknown

Pilot Certificate(s) (Check all that apply)

- | | | | |
|----------------------------------|--|--|--------------------------------------|
| <input type="checkbox"/> None | <input type="checkbox"/> Flight Instructor | <input type="checkbox"/> Commercial | <input type="checkbox"/> US Military |
| <input type="checkbox"/> Private | <input type="checkbox"/> Recreational | <input type="checkbox"/> Airline Transport | <input type="checkbox"/> Foreign |
| <input type="checkbox"/> Student | <input type="checkbox"/> Sport | <input type="checkbox"/> Flight Engineer | |

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
 Unknown
 With limitations/waivers
 N/A
 Special Issuance

Date of Last Medical

_____ mm/dd/yyyy

Medical Certificate Limitations

Medical Certificate Special Issuance

N/A (no second person)

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
 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)

- | | |
|---|--|
| <input type="checkbox"/> None | <input type="checkbox"/> Instrument Airplane |
| <input type="checkbox"/> Airplane Single-Engine | <input type="checkbox"/> Instrument Helicopter |
| <input type="checkbox"/> Airplane Multi-Engine | <input type="checkbox"/> Helicopter |
| <input type="checkbox"/> Gyroplane | <input type="checkbox"/> Glider |
| <input type="checkbox"/> Powered Lift | <input type="checkbox"/> 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										

FLIGHT ITINERARY INFORMATION

Last Departure Point Airport ID: <u>KMSO</u> City: <u>Missoula</u> State: <u>MT</u> Country: <u>USA</u>	Time of Departure Time: <u>0905</u> Time Zone: <u>Mountain</u>	Destination Airport ID: <u>local (KMSO)</u> City: _____ State: _____ Country: _____	Type Flight Plan Filed <input checked="" type="radio"/> None <input type="radio"/> Company VFR <input type="radio"/> Military VFR <input type="radio"/> VFR Activated? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown <input type="radio"/> VFR/IFR <input type="radio"/> IFR <input type="radio"/> Unknown
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Type of ATC Clearance/Service (Check all that apply)

<input type="checkbox"/> None	<input type="checkbox"/> Special VFR	<input type="checkbox"/> Special IFR	<input type="checkbox"/> VFR Flight Following	<input type="checkbox"/> Cruise
<input checked="" type="checkbox"/> VFR	<input type="checkbox"/> IFR	<input type="checkbox"/> VFR On Top	<input type="checkbox"/> Traffic Advisory	<input type="checkbox"/> Unknown / NA

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

<input type="checkbox"/> Class A	<input type="checkbox"/> Class G	<input type="checkbox"/> Military Operations Area (MOA)	<input type="checkbox"/> Special
<input type="checkbox"/> Class B	<input type="checkbox"/> Demo Area	<input type="checkbox"/> Airport Advisory Area	<input type="checkbox"/> Air Traffic Control Area
<input type="checkbox"/> Class C	<input type="checkbox"/> Warning Area	<input type="checkbox"/> Jet Training Area	<input type="checkbox"/> Unknown
<input checked="" type="checkbox"/> Class D	<input type="checkbox"/> Prohibited Area	<input type="checkbox"/> TRSA	
<input type="checkbox"/> Class E	<input type="checkbox"/> Restricted Area	<input type="checkbox"/> FAR 93	

Altitude of In-Flight Occurrence: _____ ft msl

WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

Source of Pilot Weather Information (Check all that apply) <input checked="" type="checkbox"/> National Weather Service <input type="checkbox"/> Flight Service Station <input type="checkbox"/> TV/Radio <input checked="" type="checkbox"/> Automated Report <input type="checkbox"/> Commercial Weather Service (DUATS) <input type="checkbox"/> On-Board Weather <input type="checkbox"/> Company <input type="checkbox"/> Military <input type="checkbox"/> Internet <input type="checkbox"/> None <input type="checkbox"/> Unknown	Weather Observation Facility Facility ID: <u>KMSO (ATIS)</u> Observation Time: <u>0853 local</u> Time Zone: <u>Mountain</u> Distance from Accident Site: _____ nm Direction from Accident Site: _____ degrees true
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Basic Conditions <input checked="" type="radio"/> VMC <input type="radio"/> IMC <input type="radio"/> Unknown	Light Condition <input type="radio"/> Dawn <input checked="" type="radio"/> Day <input type="radio"/> Dusk <input type="radio"/> Night <input type="radio"/> Dark Night <input type="radio"/> Bright Night <input type="radio"/> Unknown
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Sky/Lowest Cloud Condition <input checked="" type="radio"/> Clear <input type="radio"/> Few <input type="radio"/> Partial Obscuration <input type="radio"/> Scattered <input type="radio"/> Thin Broken <input type="radio"/> Thin Overcast <input type="radio"/> Unknown Lowest Cloud Condition Height _____ ft agl	Ceiling <input checked="" type="radio"/> None (Clear) <input type="radio"/> Broken <input type="radio"/> Overcast <input type="radio"/> Obscured <input type="radio"/> Indefinite <input type="radio"/> Unknown Ceiling Height _____ ft agl	Temperature: _____ (C) or <u>~60</u> (F) Dew Point: _____ (C) or <u>~40</u> (F) Altimeter Setting: <u>~</u> in. Hg <u>3018</u> or _____ MB (per memory only)
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Wind Direction <input checked="" type="checkbox"/> Variable -or- Direction: _____ degrees true	Wind Speed <input checked="" type="checkbox"/> Calm <input type="checkbox"/> Light and Variable -or- Speed: _____ kts	Wind Gusts <input checked="" type="checkbox"/> Not Gusting -or- Speed: _____ kts	Visibility <u>> 10</u> miles RVR: _____ feet RVV: _____ miles Density Altitude: _____ ft
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Intensity of Precipitation <input type="radio"/> Light <input type="radio"/> Moderate <input type="radio"/> Heavy <input checked="" type="radio"/> N/A <input type="radio"/> Unknown	Type of Precipitation (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> Hail <input type="checkbox"/> Rain Showers <input type="checkbox"/> Drizzle <input type="checkbox"/> Ice Pellets <input type="checkbox"/> Snow Pellets <input type="checkbox"/> Snow Grains <input type="checkbox"/> Ice Crystals <input type="checkbox"/> Freezing Rain <input type="checkbox"/> Snow Shower <input type="checkbox"/> Ice Pellets Shower <input type="checkbox"/> Freezing Drizzle	Restriction to Visibility (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Blowing Dust <input type="checkbox"/> Blowing Sand <input type="checkbox"/> Blowing Snow <input type="checkbox"/> Blowing Spray <input type="checkbox"/> Dust <input type="checkbox"/> Fog <input type="checkbox"/> Ground Fog <input type="checkbox"/> Haze <input type="checkbox"/> Ice Fog <input type="checkbox"/> Smoke <input type="checkbox"/> Unknown
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Icing Forecast Amount <input checked="" type="radio"/> None <input type="radio"/> Trace <input type="radio"/> Light <input type="radio"/> Moderate <input type="radio"/> Severe <input type="radio"/> Unknown Type <input checked="" type="radio"/> N/A <input type="radio"/> Rime <input type="radio"/> Clear <input type="radio"/> Mixed <input type="radio"/> Unknown	Icing Actual Amount <input checked="" type="radio"/> None <input type="radio"/> Trace <input type="radio"/> Light <input type="radio"/> Moderate <input type="radio"/> Severe <input type="radio"/> Unknown Type <input checked="" type="radio"/> N/A <input type="radio"/> Rime <input type="radio"/> Clear <input type="radio"/> Mixed <input type="radio"/> Unknown	Turbulence Type (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Clear Air <input type="checkbox"/> Terrain-Induced <input type="checkbox"/> Convective Turbulence Severity <input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Severe <input type="checkbox"/> Extreme
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NOTAMs (D and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident:

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DAMAGE TO AIRCRAFT AND OTHER PROPERTY

Aircraft Damage

- None
- Substantial
- Minor
- Destroyed
- Unknown

Aircraft Fire

- None
- In-Flight
- On-Ground
- Both Ground and In-Flight
- Fire at Unknown Time
- Unknown

Aircraft Explosion

- None
- In-Flight
- On-Ground
- Both Ground and In-Flight
- Explosion at Unknown Time
- Unknown

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

engine + cowling + firewall/engine mount broke + pushed into cabin space - trapped pilot. Both wings damaged. Likely stall/snap roll at ~80 feet.

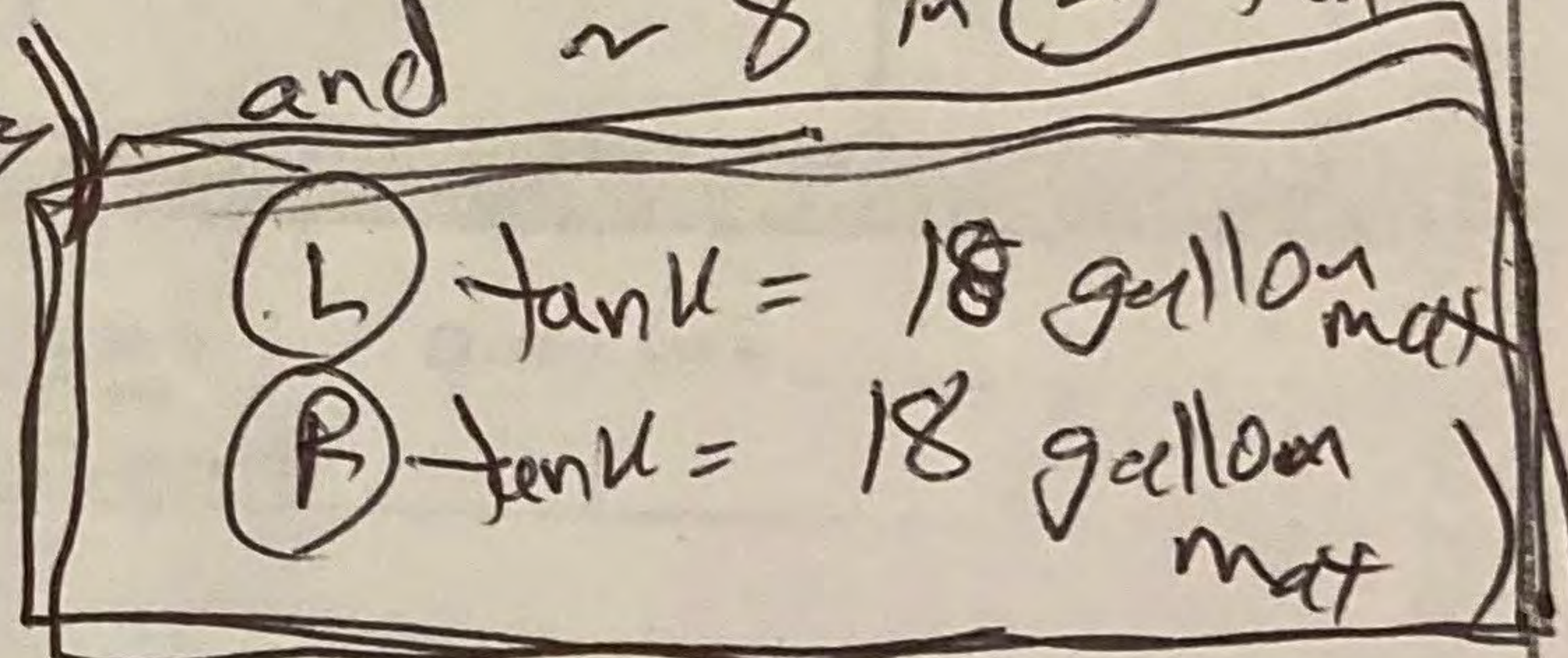
NARRATIVE HISTORY OF FLIGHT (Please type or print in ink)

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 departure time and location, services obtained, and intended destination. Provide as much detail as possible.

Doing 2nd test flight of morning. 1st one ~~from~~ from ~7:15 - 8:00 - but then landed for ~~being~~ 2nd fueling. Put in ~18 gallons - ~~about~~ resulting in

~16 in (R) tank ~~total~~ (of 18 capacity) and ~8 in (L) tank

Total (of 18 gallon capacity tank)



2nd flight an engine break-in protocol done at 9:00 AM - 10:00 AM (approx). Was coming back to land when engine quit. Called tower. Unable to restart engine. * Had LOC at low level when trying to line up over runway.

* when engine quit - reached down & changed fuel lever from (R) to (L). Engine started for ~2 seconds but then stopped again.

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

Operator/Owner Safety Recommendation

Not sure = brand new experimental plane doing phase I flight testing (40 hr program limited to 50 miles around KMSO). Doing high power engine break-in on new by coming engine - Running rich at ~12.5 gph to limit CHT's at 430°F during full power flying at 5500 MSL altitude.

MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on separate sheet)

Was there Mechanical Malfunction/Failure? Yes No
 (If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)

Not sure

Total Time/Cycles On Part
 _____ Hours
 _____ Cycles
 Time Since This Part Inspected/Overhauled
 _____ Hours

FUEL & SERVICES INFORMATION

Fuel on Board at Last Takeoff
 (Convert from pounds, as necessary)

24 Gallons

Fuel Type

- 80/87 115/145 Jet B Other, specify _____
 100 Low Lead Jet A JP8
 100/130 Jet A-1 Automotive

Other Services, if Any, Prior to Departure

EVACUATION OF AIRCRAFT

Was an emergency evacuation of the aircraft performed? Yes No

Method of Exit - Describe how the occupants exited and how many occupants evacuated each location

Solo pilot extracted from airplane after cutting out crushed firewall forward debris that trapped pilot's legs.

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

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

NA

Pilot of Other Aircraft

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

NA

ADDITIONAL INFORMATION (Please type or print in ink)

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

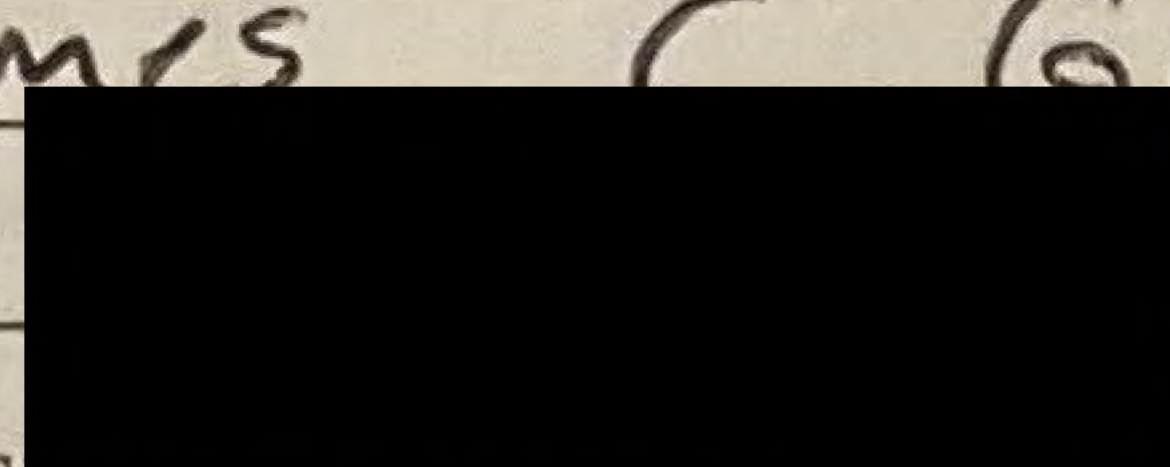
was pursuing ~~had~~ planned phase 1 flight testing program. Was using FAA flight test program, Focused on first 10 hours of new engine breakin (~10 hrs CHT to 430°F, power at 65-75%, altitude of flight ideally \leq 5,000 A MSL, RPM ~ 2500). Engine stopped for unclear reasons. Total flight time on engine/airframe was ~ 8 hours. Flight control was superb from start of phase 1 testing (just like my prior RV-9A that I had just sold, & had ~800 hours of time in).

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

Date of this Report

Name of Pilot/Operator: James C Geyman

07/09/2022

Signature: 

mm/dd/yyyy

07/09/2022

-- or --

Check here to electronically sign this document

If a Person Other than Pilot/Operator is Filing Report

Name: _____

Title: _____

Signature: _____

-- or --

Check here to electronically sign this document

FOR NTSB USE ONLY

NTSB Accident/Incident No.

Reviewed by NTSB Regional Office

Name of Investigator

Date Report Received

WPR22LA231

WPR - Federal Way

Stephen Ste n

uly 9 2022