

NATIONAL TRANSPORTATION SAFETY BOARD • PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT Use this form (Form 6120.1) to report civil and public aircraft accidents and incidents

BASIC INFORMATION

Accident/Incident Location Nearest City/Place: <u>Pearland</u> State: <u>TX</u> ZIP: <u>77581</u> Country: <u>USA</u> Latitude: <u>29-31-16.6000N</u> Longitude: <u>095-14-31.7000W</u> (Enter in decimal degrees or degrees:minutes:seconds)		Accident/Incident Date/Time Date: <u>12/11/2024</u> Local Time: <u>14:20</u> <i>mm/dd/yyyy HH:MM</i> Time Zone: <u>CST</u> Collision with Other Aircraft: ☐ Midair ☒ On-ground ☐ None	
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AIRCRAFT INFORMATION

Registration Number: <u>N5450L</u> Manufacturer: <u>Grumman American</u> Model: <u>AA-5 Traveler</u> Serial Number: <u>AA5-0350</u> Year of Manufacture: <u>1973</u> Amateur-Built: ☐ Yes ☒ No <i>If Yes:</i> ☐ Original Design ☐ Kit/Plans Make: _____		☐ IFR-Equipped and Certified ☐ Commercial Space Flight ☐ Unmanned Aircraft Maximum Gross Weight: <u>2,200</u> lbs. Weight at Time of Accident/Incident: <u>1,980</u> lbs. Number of Seats: <u>4</u> Flight Crew Seats: <u>1</u> Cabin Crew Seats: _____ Passenger Seats: <u>2</u> Number of Engines: <u>1</u>	
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Category of Aircraft <i>(Select one)</i> ☒ Airplane ☐ Balloon ☐ Blimp/Dirigible ☐ Glider ☐ Gyroplane ☐ Helicopter ☐ Powered Lift ☐ Rocket ☐ Ultralight ☐ Unknown	Type of Airworthiness Certificate <i>(Check all that apply)</i> <table border="0"> <tr> <th>Standard</th> <th>Special</th> </tr> <tr> <td>☒ Normal</td> <td>☐ Restricted</td> </tr> <tr> <td>☐ Aerobatic</td> <td>☐ Limited</td> </tr> <tr> <td>☐ Balloon</td> <td>☐ Provisional</td> </tr> <tr> <td>☐ Commuter</td> <td>☐ Special Flight</td> </tr> <tr> <td>☐ Transport</td> <td>☐ Experimental</td> </tr> <tr> <td>☐ Utility</td> <td>☐ Special Light-Sport</td> </tr> <tr> <td></td> <td>☐ Experimental Light-Sport</td> </tr> </table> ☐ Certificate of Authorization or Waiver (COA) ☐ None ☒ Unknown		Standard	Special	☒ Normal	☐ Restricted	☐ Aerobatic	☐ Limited	☐ Balloon	☐ Provisional	☐ Commuter	☐ Special Flight	☐ Transport	☐ Experimental	☐ Utility	☐ Special Light-Sport		☐ Experimental Light-Sport	Landing Gear <i>(Check all that apply)</i> ☐ Retractable ☐ High Skid ☒ Tricycle ☐ Skid ☐ Tailwheel ☐ Ski/Wheel ☐ Emergency Float ☐ Hull ☐ Float ☐ Ski ☐ Amphibian ☐ Unknown ☐ Other Launch/Recovery System ☐ None	Engine Type <i>(Select one)</i> ☒ Reciprocating ☐ Liquid Rocket ☐ Turbo Shaft ☐ Solid Rocket ☐ Turbo Prop ☐ Hybrid Rocket ☐ Turbo Jet ☐ None ☐ Turbo Fan ☐ Unknown ☐ Electric Fuel System Type <i>(Reciprocating)</i> ☒ Carburetor ☐ Fuel Injected
	Standard	Special																		
☒ Normal	☐ Restricted																			
☐ Aerobatic	☐ Limited																			
☐ Balloon	☐ Provisional																			
☐ Commuter	☐ Special Flight																			
☐ Transport	☐ Experimental																			
☐ Utility	☐ Special Light-Sport																			
	☐ Experimental Light-Sport																			

Engine	Engine Manufacturer	Engine Model/Series	Engine Serial Number	Date of Mfg. <i>(mm/dd/yyyy)</i>	Rated Power ☒ Horsepower or ☐ Lbs. of Thrust	Total Time <i>(hours)</i>	Time Since: Inspection <i>(hours)</i>	Overhaul <i>(hours)</i>
Eng. 1	Lycoming	O-320-E2G	L-33865-27A	03/15/1973	150	UKW	79	135
Eng. 2								
Eng. 3								
Eng. 4								

Last Inspection Type ☐ 100-Hour ☐ AAIP ☒ Annual ☐ Continuous Airworthiness ☐ Condition Inspection ☐ Unknown Date of Last Inspection: <u>03/04/2024</u> <i>mm/dd/yyyy</i> Airframe Total Time: <u>3,907.6</u> hrs Hours measured at <i>(Select one)</i> ☒ Last Inspection ☐ Time of Accident/Incident		Additional Equipment ☒ ADS-B ☐ Airframe Parachute ☐ Angle of Attack Indicator ☐ Autopilot ☐ Autopilot/FMS, Model: _____ ☐ Coupled Flight Director ☐ Data Recorder ☐ Device Stall Warning System ☐ Electronic Flight Bag or Handheld Device ☐ Electronic Multifunction Display ☐ Electronic Primary Flight Display ☐ Flight Management System ☒ Handheld GPS ☐ Heads Up Display ☐ Night Vision Goggles ☐ Onboard Weather ☐ Primary Flight Display ☐ SAS, Number of Axes: _____ Model: _____ ☐ Satellite Tracking Device ☐ Stall Warning System ☐ Video Recording Device ☐ Wire Strike Detection ☐ Wire Strike Protection ☐ Other, Specify: _____	
Type of Maintenance Program <i>(Select One)</i> ☒ 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: Fire Extinguisher		ELT Installed: ☒ Yes ☐ No <i>If Yes:</i> ELT Manufacturer: _____ 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 1 ☒ Fixed Pitch ☐ Controllable Pitch ☐ Ground Adjustable Manufacturer: _____ Model: _____ Propeller 2 ☐ Fixed Pitch ☐ Controllable Pitch ☐ Ground Adjustable Manufacturer: _____ Model: _____	

OWNER/OPERATOR INFORMATION**Registered Aircraft Owner**Name: Craig Gentry Norman**Fractional Ownership Aircraft:**☐ Yes☒ NoCity: Brenham State: TXZIP: 77833 Country: USA**Operator of Aircraft**☒ The Operator is also the Registered Owner☒ Same address as Registered Owner

Name: _____

Doing Business As: _____

City: _____ State: _____

Air Carrier/Operator Designator (4-character code): _____

ZIP: _____ 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 450
- ☐ 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
- ☒ 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 ☐ Unknown

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: Pearland Regional AirportDistance From Airport Center: 0 sm.Airport Identifier: KLVJ

Direction From Airport: _____ degrees true

Proximity to Airport: ☐ Off Airport/Airstrip ☒ On Airport/Airstrip ☐ N/AAirport Elevation: 43.9 ft. MSL**Runway Information**Runway ID: 32 Length: 4,313 ft. Width: 75 ft.**Condition of Runway/Landing Surface (Check all that apply)****Runway/Landing Surface (Check all that apply)**

- ☐ Asphalt ☐ Grass/Turf ☐ Ice ☐ Snow
- ☒ Concrete ☐ Gravel ☐ Macadam ☐ Water
- ☐ Dirt ☐ Helideck ☐ Metal/Wood ☐ Unknown
- ☐ Elevated Heliport ☐ Helistop ☐ Off-site landing area

- ☒ 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/NDP ☐ PAR ☐ MLS ☐ Practice
- ☐ SDF ☐ Sidestep ☐ LDA ☐ GPS
- ☐ VOR/TVOR ☐ ILS ☐ ASR ☐ Unknown
- ☐ VOR/DME ☐ Localizer Only ☐ Visual
- ☐ JTACAN ☐ LOC-back course ☐ Contact
- ☐ RNAV ☐ Circling

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**

☐ Captain ☐ First Officer ☒ 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" IdentificationFirst Name: CraigCity of Residence: BrenhamMiddle Initial: GState: TX ZIP: 77833Last Name: NormanCountry: USAAge at time of Accident/Incident: 69Date of Birth: [REDACTED] (mm/dd/yyyy)Certificate Number: [REDACTED]

Degree of Injury ☒ None ☐ Serious ☐ Unknown ☐ Fatal ☐ Minor		Seat Occupied ☒ Left ☐ Front ☐ Unknown ☐ Right ☐ Rear ☐ Center ☐ Single		Restraint Type <table border="0"> <tr> <th>Available</th> <th>Used</th> </tr> <tr> <td>☐ None</td> <td>☐ None</td> </tr> <tr> <td>☒ Lap only</td> <td>☒ Lap only</td> </tr> <tr> <td>☒ 3-point</td> <td>☐ 3-point</td> </tr> <tr> <td>☐ 4-point</td> <td>☐ 4-point</td> </tr> <tr> <td>☐ 5-point</td> <td>☐ 5-point</td> </tr> <tr> <td>☐ Unknown</td> <td>☐ Unknown</td> </tr> </table>		Available	Used	☐ None	☐ None	☒ Lap only	☒ Lap only	☒ 3-point	☐ 3-point	☐ 4-point	☐ 4-point	☐ 5-point	☐ 5-point	☐ Unknown	☐ Unknown	Inflatable Restraints ☒ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	
Available	Used																				
☐ None	☐ None																				
☒ Lap only	☒ Lap only																				
☒ 3-point	☐ 3-point																				
☐ 4-point	☐ 4-point																				
☐ 5-point	☐ 5-point																				
☐ Unknown	☐ Unknown																				
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military ☒ Private ☐ Recreational ☐ Airline Transport ☐ Foreign ☐ Sport ☐ Student ☐ Flight Engineer				Supplemental Restraint, specify: _____																	
Principal Occupation ☐ Pilot ☒ Other ☐ Unknown		Medical Certificate ☐ None ☐ Class 3 ☐ Unknown ☐ Class 1 ☒ BasicMed ☐ Class 2 ☐ Driver's License (Sport Pilot only)		Medical Certificate Validity ☐ Without limitations/waivers ☐ Unknown ☒ With limitations/waivers ☐ N/A ☐ Special Issuance		Date of Last Medical <u>02/18/2024</u> mm/dd/yyyy															
Medical Certificate Limitations SODA, Lasik Monovision Waiver Serial Number 30D60835				Medical Certificate Special Limitations																	

Personal Flight Equipment (Check all that apply)

☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/goggles ☐ Personal locator beacon(s) (PLB) ☐ Fire resistant gloves
☐ Helmet visor ☐ Night vision goggles ☐ Personal flotation ☐ Other: _____

Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:
03/30/2024
 mm/dd/yyyy
Flight Review AircraftMake: Grumman AmericanModel: AA-5 Traveler (N5450L)

Airplane Rating(s) (Check all that apply) ☒ 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) ☒ None ☐ Instrument Airplane ☐ Airplane Single-Engine ☐ Instrument Helicopter ☐ Airplane Multiengine ☐ Helicopter ☐ Gyroplane ☐ Glider ☐ Powered lift ☐ Sport					
Type Ratings and Applicable Logbook Endorsements Initial Private Pilot Certificate (Single Engine, Land) was awarded by Cliff Hyde of Cliff Hyde Aviation, Ellington Field, Houston, TX on 26 August 2002.						Student Endorsements (Include dates)					

Flight Time (Enter hours for each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Multi-engine Rotorcraft	Tail-wheel
						Actual	Simulated					
Total Time	455.3	79.2	455.3	—	14.5	11.6	18.6	—	—	—	—	1.0
Pilot in Command (PIC)	365.8	79.2	365.8	—	14.5	11.6	18.6	—	—	—	—	1.0
Time as Instructor	—	—	—	—	—	—	—	—	—	—	—	—
This Make/Model												
Last 90 Days	8.5	8.5	8.5	—	—	—	—	—	—	—	—	—
Last 30 Days	5.0	5.0	5.0	—	—	—	—	—	—	—	—	—
Last 24 Hours	2.4	2.4	2.4	—	—	—	—	—	—	—	—	—

"FLIGHT CREWMEMBER 2" INFORMATION**"Flight Crewmember 2" Responsibilities at the Time of Accident/Incident**

☐ Captain ☐ First Officer ☐ 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: _____

Age at time of Accident/Incident: _____

City of Residence: _____

State: _____ ZIP: _____

Country: _____

Date of Birth: _____ (mm/dd/yyyy)

Certificate Number: _____

Degree of Injury

☐ None ☐ Serious
☐ Unknown ☐ Fatal
☐ Minor

Seat Occupied

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

Restraint Type**Available**

☐ None
☐ Lap only
☐ 3-point
☐ 4-point
☐ 5-point
☐ Unknown

Used

☐ None
☐ Lap only
☐ 3-point
☐ 4-point
☐ 5-point
☐ Unknown

Supplemental Restraint, specify: _____

Inflatable Restraints

☐ Not Installed
☐ Installed
☐ Not Deployed
☐ Deployed
☐ Unknown

Pilot Certificate(s) (Check all that apply)

☐ None ☐ Flight Instructor ☐ Commercial
☐ US Military ☐ Private ☐ Recreational
☐ Airline Transport ☐ Foreign ☐ Sport
☐ Student ☐ Flight Engineer

Principal Occupation

☐ Pilot
☐ Other
☐ Unknown

Medical Certificate

☐ None ☐ Class 3 ☐ Unknown
☐ Class 1 ☐ BasicMed
☐ Class 2 ☐ Driver's License (Sport Pilot Only)

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 Limitations****Personal Flight Equipment** (Check all that apply)

☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ Personal Locator Beacon(s) (PLB) ☐ Fire resistant gloves
☐ Helmet visor ☐ Night vision goggles ☐ Personal flotation ☐ Other: _____

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)

☐ 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)

☐ None ☐ Instrument Airplane
☐ Airplane Single-Engine ☐ Instrument Helicopter
☐ Airplane Multiengine ☐ Helicopter
☐ Gyroplane ☐ Glider
☐ Powered lift ☐ Sport

Type Ratings and Applicable Logbook Endorsements**Student Endorsements** (Include dates)

Flight Time (Enter hours for each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Multi-engine Rotorcraft	Tail-wheel
						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 CREWMEMBERS (Exclusive of cabin crew, complete the following information.)

Additional Crewmember Information		Seat Occupied	Injury
First Name: _____	City of Residence: _____	☐ Left ☐ Rear ☐ Center ☐ Single ☐ Right ☐ Unknown ☐ Front	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown
Middle Initial: _____	State: _____ Zip: _____		
Last Name: _____	Country: _____		
Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ Personal locator beacon(s) (PLB) ☐ Fire resistant gloves ☐ Helmet visor ☐ Night vision goggles ☐ Personal flotation ☐ Other: _____			
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military ☐ Private ☐ Recreational ☐ Airline Transport ☐ Foreign ☐ Student ☐ Sport ☐ Flight Engineer		Restraint Type Available: ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used: ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Supplemental Restraint, specify: _____	Inflatable Restraints ☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown
Type Rating/Endorsement for Accident/Incident Aircraft? ☐ Yes ☐ No		Total Flight Time at the Time of this Accident/Incident: _____ hrs.	

Additional Crewmember Information		Seat Occupied	Injury
First Name: _____	City of Residence: _____	☐ Left ☐ Rear ☐ Center ☐ Single ☐ Right ☐ Unknown ☐ Front	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown
Middle Initial: _____	State: _____ Zip: _____		
Last Name: _____	Country: _____		
Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ Personal Locator Beacon(s) (PLB) ☐ Fire resistant gloves ☐ Helmet visor ☐ Night vision goggles ☐ Personal flotation ☐ Other: _____			
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military ☐ Private ☐ Recreational ☐ Airline Transport ☐ Foreign ☐ Student ☐ Sport ☐ Flight Engineer		Restraint Type Available: ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used: ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Supplemental Restraint, specify: _____	Inflatable Restraints ☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ 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 cabin crew; continue on separate sheet, if necessary.)

Number of Passengers <u>2</u>						
Passenger Information	Seat	Injury	Restraint Type	Inflatable Restraints	Age	
First Name: <u>Read</u> City: <u>Alvin</u> Middle Initial: _____ State: <u>TX</u> Zip: <u>77511</u> Last name: <u>Flake</u> Country: <u>USA</u> ☐ Crew ☒ Passenger ☐ Other	☐ Left ☐ Center ☒ Right ☐ Unknown Row: <u>1</u>	☒ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available: ☐ None ☒ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used: ☐ None ☒ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Supplemental Restraint, specify: <u>was NOT using shoulder restraint</u>	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	<u>55</u> ☐ Under 5 years If under 5 years, ☐ Child ☐ Lap-Held ☐ Unknown	
Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ PLB ☐ Fire resistant gloves ☐ Night vision goggles ☐ Helmet visor ☐ Personal flotation ☐ Other: _____						

First Name: <u>York</u> City: <u>Houston</u> Middle Initial: _____ State: <u>TX</u> Zip: _____ Last name: <u>McLane</u> Country: <u>USA</u> ☐ Crew ☒ Passenger ☐ Other Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ PLB ☐ Fire resistant gloves ☐ Night vision goggles ☐ Helmet visor ☐ Personal flotation ☐ Other: _____	☐ Left ☐ Center ☒ Right ☐ Unknown Row: <u>2</u>	☒ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☒ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☒ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Supplemental Restraint, specify: <u>Age = 52</u>	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If under 5 years, ☐ Child Restraint ☐ Lap-Held ☐ Unknown
First Name: _____ City: _____ Middle Initial: _____ State: _____ Zip: _____ Last name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ PLB ☐ Fire resistant gloves ☐ Night vision goggles ☐ Helmet visor ☐ Personal flotation ☐ Other: _____	☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Supplemental Restraint, specify: _____	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If under 5 years, ☐ Child Restraint ☐ Lap-Held ☐ Unknown
First Name: _____ City: _____ Middle Initial: _____ State: _____ Zip: _____ Last name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other Personal Flight Equipment (Check all that apply) ☐ Fire resistant flight suit ☐ Helmet ☐ Laser protective visor/glasses ☐ PLB ☐ Fire resistant gloves ☐ Night vision goggles ☐ Helmet visor ☐ Personal flotation ☐ Other: _____	☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Supplemental Restraint, specify: _____	☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If under 5 years, ☐ Child Restraint ☐ Lap-Held ☐ Unknown

FLIGHT ITINERARY INFORMATION

Last Departure Point Airport ID: <u>KGLS</u> City: <u>Galveston</u> State: <u>TX</u> Country: <u>USA</u>	Time of Departure Time: <u>13:50</u> HH-MM Time Zone: <u>CST</u>	Flight Information Flight Number: <u>N/A</u> Operating as Flight <u>N/A</u>	Destination Airport ID: <u>KLVJ</u> City: <u>Pearland</u> State: <u>TX</u> Country: <u>USA</u>	Type Flight Plan Filed ☐ None ☐ Company VFR ☐ Military VFR ☒ VFR ☐ VFR/IFR ☐ IFR ☐ Unknown Activated? ☐ Yes ☒ No ☐ Unknown
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Type of ATC Clearance/Service (Check all that apply)

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

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

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

Altitude of In-Flight Occurrence: 43.9 ft. MSL**WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE****Source of Pilot Weather Information**

(Check all that apply)

- ☐ National Weather Service ☐ Company
☐ Flight Service Station ☐ Military
☐ TV/Radio ☐ Internet
☒ Automated Report ☐ None
☐ Electronic Flight Bag-Application: ☐ Unknown

☐ On-Board Weather**Weather Observation Facility**

Facility ID: KLVJ WX ASOS
 Observation Time: 14:00
 Time Zone: CST
 Distance from Accident Site: 0 nm
 Direction from Accident Site: _____ degrees true

Basic Conditions

- ☐ VMC
☐ IMC
☐ Unknown

Lowest Cloud ConditionHeight
Clear _____ ft. AGL**Light Condition**

- ☐ Dawn ☐ Dusk ☐ Dark Night ☐ Unknown
☒ Day ☐ Night ☐ Bright Night

Sky/Lowest Cloud Condition

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

Ceiling

- ☒ None (Clear)
☐ Broken
☐ Overcast
☐ Obscured
☐ Indefinite
☐ Unknown

Ceiling Height _____ ft. AGL

Temperature: 16 (°C) or _____ (°F)Dewpoint: 10 (°C) or _____ (°F)**Altimeter Setting:**3040 (Hg) or _____ (mb)**Wind Direction**

☐ Variable or
 Direction: 340
 degrees true

Wind Speed

☐ Calm
☐ Light and Variable
 or
 Speed: 11 kts

Wind Gusts

☒ Not Gusting
 or
 Speed: _____ kts

Visibility

_____ miles
 RVR: _____ feet
 RVV: _____ miles
 Density Altitude: _____ ft.

Type of Precipitation (Check all that apply)

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

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

Icing Forecast

Amount Type
☒ None ☐ N/A
☐ Trace ☐ Rime
☐ Light ☐ Clear
☐ Moderate ☐ Mixed
☐ Severe ☐ Unknown
☐ Unknown

Intensity of Precipitation

- ☐ Light
☐ Moderate
☐ Heavy
☒ N/A
☐ Unknown

Icing Actual

Amount Type
☒ None ☐ N/A
☐ Trace ☐ Rime
☐ Light ☐ Clear
☐ Moderate ☐ Mixed
☐ Severe ☐ Unknown
☐ Unknown

Turbulence (Check all that apply)

Type Severity
☒ None ☐ Light
☐ Clear Air ☐ Moderate
☐ Terrain-Induced ☐ Severe
☐ Convective ☐ Extreme
 Turbulence

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

None

DAMAGE TO AIRCRAFT AND OTHER PROPERTY**Aircraft Damage**

- ☐ None
☐ Minor
☒ Substantial
☐ 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
☐ Fire at Unknown Time
☐ Unknown

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

Damage to N127SL (Cessna 182): Left rear passenger compartment has been completely destroyed, as well as much of the left rear side of the aircraft's fuselage.

Damage to N5450L (Grumman AA-5): Propellor and spinner remain intact, but sustained significant damage, as well as starboard side of engine cowling and entire starboard side of right front as well as right rear seat window plexiglass. Canopy roof is also severely damaged, and the canopy can no longer be closed properly.

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.

Please see attached MS-Word narrative.

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

There were multiple points in this sequence where I could have avoided this accident:

1. In Galveston, when I obtained a "jump" start, I suspected an alternator or regulator issue beyond just an aging battery. I do not recall seeing a positive charge on my amp meter at run-up just prior to departure from KGLS Runway 36 (something I DID see prior to leaving KLVJ, KDWH and 11R in prior departures earlier in the same morning). I became lax and assumed all was well with my electrical system - mistake #1, and somewhere between KGLS and KLVJ (approximately 13:50 CST), the electrical system then failed.
 2. Upon then following N127SL to the south end of KLVJ (Pearland Regional Airport), and as we turned base-to-final, I could see we were closing with the Cessna 182. At that point I should have executed a 360 then and there, regardless of my inability to communicate this. I overlooked my basic rules and sequence to "aviate, navigate and communicate" in that order.
- Even as I finally approached Runway 32's threshold and could see that N127SL was A) stopping short, with not much roll-out, and B) I had no flaps due to my electrical failure, I could still execute a go-around. I allowed my mechanical emergency to bring an urgency to my mind to get the plane on the ground ASAP, and at all costs, rather than increase the throttle and avoid the danger obviously before me. I guessed wrong, thinking that I could point my aircraft to Taxiway A3 and avoid Levi Middlebrook, not realizing that he had already, seconds before, been warned by someone of my approach on the CTAF, and he too was heading to that exit, as well. The result was the dangerous collision that occurred.

MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on a 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.)

As mentioned above, I suspect either an alternator or regulator failure. However, I have not yet been able to determine anything on this yet. I live approximately 100 miles from the accident site and I have, as yet, not been able to work with a mechanic to determine anything beyond securing the aircraft at a tie-down spot and weatherizing the avionics against rain.

Total Time/ Cycles On Part

22.9 Hours23 Cycles

Time Since This Part Inspected/Overhauled

22.9 Hours**FUEL & SERVICES INFORMATION**

Fuel on Board at Last Takeoff

(Convert from pounds, as necessary)

38 Gallons

Fuel Type

☒ 100 Low Lead☐ Jet A☐ Automotive☐ Jet A-1☐ Unleaded AV☐ Other, specify _____

Fuel had just been added at KGLS

Other Services, if any, prior to departure:

Jump start on battery.

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:

There was no fire, nor were there any injuries other than a minor scrape of Read Flake's right shoulder.

OTHER AIRCRAFT - COLLISION (If air or ground collision occurred, complete this section for other aircraft.)

Aircraft Registration Number

N127SLManufacturer: CessnaModel: 182

Damage to Other Aircraft:

☐ Destroyed☐ Minor☒ Substantial☐ None

Registered Owner of Other Aircraft

Name: Gulf Coast Helicopters, IncCity: PearlandState: TX ZIP: 77581Country: USA

Pilot of Other Aircraft

Name: Levi MiddlebrookCity: Corpus ChristiState: TX ZIP: 78411Country: USA**ADDITIONAL INFORMATION** (Additional space for answers to any question.)

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

I understand that the information provided may be subject to public release.

Date of this report:

12/16/2024

mm/dd/yyyy

Name of Pilot/Operator:

Craig G. Norman

Signature:

-or- ☐ Check here to electronically sign this document

If a person other than Pilot/Operator is filing this report

Name:

Title:

Signature:

-or- ☐ Check here to electronically sign this document

FOR NTSB USE ONLY

NTSB Accident/Incident No.

CEN25LA059

Reviewed by NTSB AS Division

AS-CEN

Name of Investigator

RUTT

Date Report Received

12/16/2024

N5450L Collision with N127SL on 11 Dec 2024 at Pearland Regional Airport (KLVJ)

At Approximately 2:00 pm CST, I (Craig Norman - PIC), Read Flake (right front seat passenger), and York McLane (right rear seat passenger), were flying from Scholes International Airport at Galveston (KGLS) to Pearland Regional Airport (KLVJ) after having refueled at KGLS. Upon engine start at KGLS, we encountered what I thought was a dead battery, and airport personnel at Galveston assisted us with an engine "jump-start" with a hand-held charger.

Over Alvin, TX (approximately 15 minutes prior to touch-down at KLVJ), we encountered an electrical failure, in that the Garmin transponder and Garmin radio both shut down. I tried to power them back on, to no avail, along with checking all fuses. I fortunately was using ForeFlight on an Apple iPad connected via WIFI to a Sentry Mini ADS-B, powered by an ANKER batter pack, all 3 of which enabled me to be guided for the last 15 minutes of flight to KLVJ Runway 32, which I assumed would be the active runway based on the prevailing winds in Galveston.

With the use of ADS-B, I could see N127SL on my iPad screen pass behind us, west to east, and I then visually saw this aircraft pass from my right flank. I instructed my passengers to please follow this aircraft visually as I correctly suspected it was also heading to KLVJ. It was approximately ½ mile ahead of us, moving to the left base of Runway 32. (At this point, our headsets were also not working via the intercom, so we were yelling to each other to communicate).

As N127SL made its left-base-to-final turn, I estimate we were approximately ½ to ¾ mile behind it. Within approximately 10 seconds, we were there, as well, making that left-hand turn, base-to-final. I had recently learned in my flight review to NOT use flaps on my Grumman in landing (and had also recently had to replace the flap motor on this plane due to overuse). But I realized at the base-to-final turn I better use my flaps now to slow our descent as we were gradually closing with the high-wing Cessna. However, I also realized at this point I had no flap motor due to my electrical failure.

As I crossed Runway 32's end threshold, I realized N127SL was slowing much more than expected – the aircraft was not on a normal landing roll-out. We were closing with his position too fast for me to execute a takeoff go-around at that point, nor could I try to swerve to the right due to a ditch just to the east of the runway – we were going to collide with N127SL no matter the amount of braking effort I applied.

My estimate is that we collided with N127SL (Levi Middlebrook) at a 15 MPH speed differential. Levi was very quick to appear from his cockpit and declare that he was physically ok, and after a quick check with Read and York, I was able to quickly declare our "ok" condition to Levi, as well.

Airport personnel were at the scene with 30-60 seconds and were giving us assistance, as well as interviewing the 4 of us for contact information and obtaining statements. I don't know where N127SL was taken, but N5450L was towed to Randy Wahlberg's Air Professionals hangar, as I've known Randy since I purchased the aircraft nearly 2 years ago (March 2023) and he helped me with initial maintenance on the aircraft once I brought it back from Northern Arkansas after purchasing it there.

