



Aviation Investigation Final Report

Location:	Center, Texas	Accident Number:	GAA19CA067
Date & Time:	November 18, 2018, 13:15 Local	Registration:	N667J
Aircraft:	Jabiru J230-SP	Aircraft Damage:	Substantial
Defining Event:	Loss of engine power (total)	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, before departure, he noted that a NOTAM stated that fuel was not available at the airport where he had landed and had planned to refuel but that he felt he had sufficient fuel onboard to continue to another airport to get fuel if necessary. He assessed his fuel quantity and departed the airport, and subsequently, the engine lost power. He pitched the nose down, and the engine regained power, but the pilot realized that the fuel supply was almost exhausted. He attempted to maintain power and altitude but eventually chose to land in a field. He selected a touchdown point and circled to land, but the airplane did not complete the turn before he had to level the wings. The airplane touched down gently but overran the intended landing area, collided with a drainage culvert, and nosed over.

The airplane sustained substantial damage to the composite fuselage and windscreen.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The pilot's improper preflight fuel planning, which resulted in fuel exhaustion and a total loss of engine power.

Findings

Personnel issues	Fuel planning - Pilot
Aircraft	Fuel - Fluid level
Personnel issues	Understanding/comprehension - Pilot
Aircraft	Fuel storage - Related operating info

Factual Information

History of Flight

Enroute	Fuel exhaustion
Enroute	Loss of engine power (total) (Defining event)
Enroute	Attempted remediation/recovery
Landing-landing roll	Collision with terr/obj (non-CFIT)
Landing-landing roll	Nose over/nose down

Pilot Information

Certificate:	Sport Pilot	Age:	53,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Sport pilot With waivers/limitations	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	October 30, 2017
Flight Time:	(Estimated) 196 hours (Total, all aircraft), 149 hours (Total, this make and model), 151 hours (Pilot In Command, all aircraft), 23 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Jabiru	Registration:	N667J
Model/Series:	J230-SP	Aircraft Category:	Airplane
Year of Manufacture:	2008	Amateur Built:	
Airworthiness Certificate:	Special light-sport (Special)	Serial Number:	574
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	June 1, 2018 Annual	Certified Max Gross Wt.:	1320 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	490 Hrs at time of accident	Engine Manufacturer:	Jabiru
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	3300A
Registered Owner:		Rated Power:	120 Horsepower
Operator:	On file	Operating Certificate(s) Held:	Fractional ownership

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	F17	Distance from Accident Site:	
Observation Time:	19:56 Local	Direction from Accident Site:	
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	11 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	320°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.18 inches Hg	Temperature/Dew Point:	14°C / 11°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Mansfield, LA (3F3)	Type of Flight Plan Filed:	None
Destination:	Center, TX (F17)	Type of Clearance:	None
Departure Time:	13:00 Local	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	31.899999,-94.080001(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Michael
Additional Participating Persons:	David Mikolajewski ; FAA; Irving, TX
Original Publish Date:	September 26, 2019
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=98659

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