



Aviation Investigation Final Report

Location:	Independence, Iowa	Accident Number:	GAA19CA173
Date & Time:	March 15, 2019, 17:30 Local	Registration:	N822GC
Aircraft:	Pereira Osprey	Aircraft Damage:	Substantial
Defining Event:	Loss of engine power (total)	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that the airplane encountered a significant headwind during the flight and that the engine burned more fuel than he had planned. The fuel was exhausted, which resulted in a loss of all engine power. The pilot subsequently conducted a forced landing, during which the right wing struck the ground.

The airplane sustained substantial damage to the right wing.

The pilot reported that there were no preaccident mechanical malfunctions or failures with the airplane that would have precluded normal operation.

Probable Cause and Findings

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

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

Findings

Personnel issues	Fuel planning - Pilot
Aircraft	Fuel - Fluid level

Factual Information

History of Flight

Maneuvering	Other weather encounter
Maneuvering	Fuel exhaustion
Maneuvering	Loss of engine power (total) (Defining event)
Landing	Off-field or emergency landing
Landing	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	66, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 Without waivers/limitations	Last FAA Medical Exam:	February 11, 2019
Occupational Pilot:	No	Last Flight Review or Equivalent:	March 4, 2019
Flight Time:	(Estimated) 1470 hours (Total, all aircraft), 4 hours (Total, this make and model), 5 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Pereira	Registration:	N822GC
Model/Series:	Osprey II	Aircraft Category:	Airplane
Year of Manufacture:	2006	Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	101
Landing Gear Type:	Tricycle; Amphibian; Hull	Seats:	2
Date/Type of Last Inspection:	February 1, 2019 Condition	Certified Max Gross Wt.:	1585 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	60 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-320
Registered Owner:	On file	Rated Power:	150 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KIIB,978 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	17:35 Local	Direction from Accident Site:	182°
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	25 knots / 32 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	315°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	28.79 inches Hg	Temperature/Dew Point:	1°C / -2°C
Precipitation and Obscuration:			
Departure Point:	Milwaukee, WI (MWC)	Type of Flight Plan Filed:	None
Destination:	Milwaukee, WI (MWC)	Type of Clearance:	None
Departure Time:	13:45 Local	Type of Airspace:	Class G

Airport Information

Airport:	Independence Muni IIB	Runway Surface Type:	Concrete
Airport Elevation:	979 ft msl	Runway Surface Condition:	Dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	5500 ft / 100 ft	VFR Approach/Landing:	Forced landing

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	42.456943,-91.947776(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Michael
Additional Participating Persons:	John Walberg; FAA; Des Moines, IA
Original Publish Date:	November 6, 2019
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=99143

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