



Aviation Investigation Final Report

Location:	Fenton, Michigan	Accident Number:	GAA15CA143
Date & Time:	July 17, 2015, 19:32 Local	Registration:	N1204A
Aircraft:	AVENTURA II	Aircraft Damage:	Substantial
Defining Event:	Loss of engine power (partial)	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

In an email sent to a Federal Aviation Administration (FAA), Aviation Safety Inspector (ASI), by the student pilot, he reported that the experimental seaplane experienced a partial loss of engine power during takeoff about 400 feet above the ground. The student pilot stated that he turned the experimental seaplane toward the lake but as he ran out of "speed," he "pitched it to the right into some trees."

A postaccident examination of the engine by the FAA ASI revealed that the fuel supply line to the forward carburetor was cracked and leaking. The cracked portion of the line was about 1/2 inch outboard of the carburetor fuel intake fitting.

The airplane sustained substantial damage to the empennage when it impacted trees.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The failure of the student pilot to ensure that the experimental seaplane was airworthy prior to take off.

Findings

Personnel issues	(general) - Pilot
Personnel issues	Knowledge of equipment - Pilot
Personnel issues	Initial instruct/training - Pilot
Personnel issues	(general) - Pilot
Aircraft	(general) - Not serviced/maintained
Environmental issues	Tree(s) - Effect on equipment

Factual Information

History of Flight

Prior to flight	Aircraft maintenance event
Takeoff	Loss of engine power (partial) (Defining event)
Takeoff	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Student	Age:	43
Airplane Rating(s):	None	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:	Class 3 Unknown	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 32 hours (Total, all aircraft), 8 hours (Total, this make and model), 10 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AVENTURA	Registration:	N1204A
Model/Series:	II	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	AP2A0008
Landing Gear Type:	N/A; Float	Seats:	2
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	as of last inspection	Engine Manufacturer:	
ELT:	Not installed	Engine Model/Series:	
Registered Owner:	NONE	Rated Power:	
Operator:	NONE	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KFNT,766 ft msl	Distance from Accident Site:	7 Nautical Miles
Observation Time:	23:53 Local	Direction from Accident Site:	349°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	260°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	29.79 inches Hg	Temperature/Dew Point:	30°C / 22°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Fenton, MI	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	19:30 Local	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	42.856666,-83.719718(est)

Administrative Information

Investigator In Charge (IIC):	Vanover, Jackie
Additional Participating Persons:	Jim Gotha; FAA; Detroit, MI
Original Publish Date:	September 11, 2015
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=91456

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