



Aviation Investigation Final Report

Location:	Aurora, Colorado	Accident Number:	CEN14CA125
Date & Time:	January 28, 2014, 15:30 Local	Registration:	N8133M
Aircraft:	Cessna 310I	Aircraft Damage:	Substantial
Defining Event:	Fuel exhaustion	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot and pilot-rated passenger reported that while in cruise flight, both engines experienced a partial loss of power. The pilot selected an open field and conducted a forced landing. Due to rough terrain, the airplane sustained substantial damage to the wings and fuselage.

The pilot stated that the reason for the loss of engine power was due to fuel exhaustion, as he did not verify fuel quantity prior to departure. The pilot requested his local fixed base operator to fill his main fuel tanks, which did not occur. The pilot stated that he should not have assumed the fueling had occurred.

The pilot reported 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:

Loss of engine power due to fuel exhaustion and the pilot's inadequate preflight inspection.

Findings

Personnel issues	Forgotten action/omission - Pilot
Aircraft	(general) - Incorrect use/operation

Factual Information

History of Flight

Enroute	Fuel exhaustion (Defining event)
Landing	Hard landing

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	65
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Lap only
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	October 19, 2012
Flight Time:	3528 hours (Total, all aircraft), 80 hours (Total, this make and model), 2770 hours (Pilot In Command, all aircraft), 83 hours (Last 90 days, all aircraft), 40 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Pilot-rated passenger Information

Certificate:	Airline transport; Commercial	Age:	72
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	Lap only
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	February 7, 2013
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	October 16, 2013
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N8133M
Model/Series:	310I I	Aircraft Category:	Airplane
Year of Manufacture:	1964	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	310I0133
Landing Gear Type:	Retractable - Tricycle	Seats:	
Date/Type of Last Inspection:	June 1, 2013 Annual	Certified Max Gross Wt.:	5099 lbs
Time Since Last Inspection:		Engines:	2 Reciprocating
Airframe Total Time:	5817 Hrs at time of accident	Engine Manufacturer:	CONT MOTOR
ELT:	Installed, not activated	Engine Model/Series:	I0-470 SERIES
Registered Owner:	FLYING FOOLS LLC	Rated Power:	260 Horsepower
Operator:	FLYING FOOLS LLC	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KAPA, 5885 ft msl	Distance from Accident Site:	5 Nautical Miles
Observation Time:	16:30 Local	Direction from Accident Site:	90°
Lowest Cloud Condition:	Few / 7000 ft AGL	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:	/
Altimeter Setting:	30.01 inches Hg	Temperature/Dew Point:	0°C / -19°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Denver, CO (KFTG)	Type of Flight Plan Filed:	None
Destination:	Colorado Springs, CO (KCOS)	Type of Clearance:	VFR flight following
Departure Time:	14:56 Local	Type of Airspace:	Class E

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	39.34,-104.419998(est)

Administrative Information

Investigator In Charge (IIC): Folkerts, Michael

Additional Participating Persons:

Original Publish Date: February 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=88732>

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