



National Transportation Safety Board Aviation Accident Final Report

Location:	Kansas City, MO	Accident Number:	CEN15CA158
Date & Time:	03/01/2015, 1900 CST	Registration:	N1513J
Aircraft:	PIPER PA 28-140	Aircraft Damage:	Substantial
Defining Event:	Fuel starvation	Injuries:	1 Minor, 1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

Shortly after takeoff, following a touch and go landing, the engine sputtered and lost power. The left wing and empennage were substantially damaged during the forced landing. An examination of the airplane, engine, and related systems revealed no anomalies. The left fuel tank was empty and the right fuel tank contained 10 gallons of fuel. The pilot wrote that the loss of engine power was the result of fuel starvation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The loss of engine power due to fuel starvation.

Findings

Aircraft	Fuel - Fluid management (Cause)
Personnel issues	Use of available resources - Pilot (Cause)

Factual Information

History of Flight

Takeoff	Fuel starvation (Defining event) Loss of engine power (total)
Landing-flare/touchdown	Dragged wing/rotor/float/other

Pilot Information

Certificate:	Private	Age:	35
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without Waivers/Limitations	Last Medical Exam:	02/10/2015
Occupational Pilot:	No	Last Flight Review or Equivalent:	03/01/2015
Flight Time:	97 hours (Total, all aircraft), 3 hours (Total, this make and model), 97 hours (Pilot In Command, all aircraft), 5 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	PIPER	Registration:	N1513J
Model/Series:	PA 28-140 140	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	28-23907
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	01/17/2015, Annual	Certified Max Gross Wt.:	2150 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	4339 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	0-320-E2A
Registered Owner:	WIRT CHARLES J	Rated Power:	150 hp
Operator:	On file	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KMKC, 756 ft msl	Observation Time:	1854 CST
Distance from Accident Site:		Condition of Light:	Dusk
Direction from Accident Site:		Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	0°C / 6°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	3 knots, 320°	Visibility (RVR):	
Altimeter Setting:		Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Mosby, MO (KGPH)	Type of Flight Plan Filed:	None
Destination:	Mosby, MO (KGPH)	Type of Clearance:	None
Departure Time:	1815 CST	Type of Airspace:	

Airport Information

Airport:	Charles B Wheeler Downtown Apt (KMKC)	Runway Surface Type:	N/A
Airport Elevation:	756 ft	Runway Surface Condition:	
Runway Used:	N/A	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Forced Landing

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor, 1 None		

Administrative Information

Investigator In Charge (IIC):	Jennifer Rodi	Adopted Date:	04/21/2015
Additional Participating Persons:	Rodi McLaughlin; FAA Flight Standards District Office; Kansas City, MO		
Publish Date:	04/21/2015		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=90805		

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