



National Transportation Safety Board Aviation Accident Data Summary

Location:	Fairview, TN	Accident Number:	NYC08CA002
Date & Time:	10/03/2007, 1248 CDT	Registration:	N7751N
Aircraft:	Piper PA-28-180	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot of the Piper PA-28-180 had been flying for about 3 hours 35 minutes when the engine lost power due to fuel exhaustion, and he performed a forced landing to trees. The airplane impacted 50-foot tall trees prior to striking the ground. The pilot reported that he had topped-off the airplane's fuel tanks, which had a total capacity of 44 gallons of usable fuel prior to the flight. He leaned the fuel mixture during the flight, and expected the airplane to have an endurance of 4.6 hours. Examination of the wreckage and accident site did not reveal any evidence that either fuel tank contained an appreciable amount of fuel at impact. The pilot reported 94 hours of total flight experience; which included about 13 hours in the same make and model as the accident airplane.

Probable Cause

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

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: CRUISE - NORMAL

Findings

1. (C) FLUID,FUEL - EXHAUSTION

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: EMERGENCY LANDING

Findings

2. OBJECT - TREE(S)

Pilot Information

Certificate:	Private	Age:	42
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	94 hours (Total, all aircraft), 13 hours (Total, this make and model), 31 hours (Pilot In Command, all aircraft), 13 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N7751N
Model/Series:	PA-28-180	Engines:	1 Reciprocating
Operator:	Stephen R. Pomeroy	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	O-360
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	BNA, 599 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 20000 ft agl	Wind Speed/Gusts, Direction:	5 knots / , 200°
Temperature:	28°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Shreveport, LA (DTN)	Destination:	Gallatin, TN (M33)

Airport Information

Airport:	Gallatin (M33)	Runway Surface Type:	
Runway Used:	NA	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:	36.034722, -87.143333		

Administrative Information

Investigator In Charge (IIC):	Luke Schiada	Adopted Date:	12/20/2007
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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