



National Transportation Safety Board Aviation Accident Factual Report

Location:	LEWISBERG, PA	Accident Number:	IAD01LA001
Date & Time:	10/01/2000, 1511 EDT	Registration:	N9697D
Aircraft:	Piper PA-22-160	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

On October 1, 2000, at 1511 Eastern Daylight Time, a Piper PA-22-160, N9697D, was substantially damaged during a forced landing to a field in Lewisberg, Pennsylvania. The certificated private pilot and passenger were not injured. Visual meteorological conditions prevailed and no flight plan was filed for the personal flight conducted under 14 CFR Part 91.

The pilot was returning to his private airstrip, Fox Hollow Airport (3PA6), Lewisburg, Pennsylvania, after attending a fly-in at Grimes Airport (8N1), Bethel, Pennsylvania.

In a written statement, the pilot said:

"Departed 8N1 at 2:38 PM climbed to 3,000 MSL, headed for 3PA6, approx. 25 minute flight over Sunbury, PA. Started slow descent, upon entering downwind for 3PA6, engine started to misfire, pulled carb heat and throttled engine to 1,500 RPM. Misfire continued, raised RPM, no change in engine performance. Turned base, still misfiring. Took carb off, still no change. Pulled engine to idle for landing, engine quit, made slight right turn, flew under phone wires for emergency landing in field. Small tree took off right landing gear at front attach point, aircraft settled to ground and did ground loop to the right."

Federal Aviation Administration (FAA) inspectors interviewed the pilot and performed an on-scene examination. According to the inspector's written report:

"[The pilot] stated he was returning from a fly-in to his private airstrip at his home in Lewisburg, PA. Descending from 3,500 [feet] the engine began to run rough. He applied carburetor heat, but it made no difference so he turned it off. When he retarded the throttle to idle the engine quit. He chose to make a turn onto a farmer's field next to his house for a dead stick landing. He was aware of telephone wires at the edge of the field and realized he could not get over them and elected to fly under the wires. The right gear struck a heavy shrub tree and tore the gear loose. The aircraft skidded to a stop facing 180 degrees from his approach path.

"When FAA inspectors arrived at the site, the aircraft was sitting on the left gear, the right wing tip, and the tail wheel. The propeller was damaged from the ground strike, the right gear was torn loose from the forward mount fitting, the tail tubular structure was twisted, and several holes in the fabric by the gear and tail section. We checked both fuel tanks for quantity and contamination. Both tanks were near full. Sump checks from the tanks and fuel bowl had no signs of contamination. The fuel was 100 LL avgas. I then removed the top spark plugs and noted three were black and one white, the oil dipstick showed the correct amount of clean oil with no contaminates.'

"We then jacked the right side of the aircraft and inspected the exhaust muffler, rotated the prop and had good compression on all four cylinders, then started the engine. The engine started immediately, ran normal, and the magneto check was normal, as was the idle for the fuel mixture check. The engine had no external leakage of either fuel or oil. The aircraft had an annual inspection performed on 5/15/2000 at 2,288 hours. The tach now indicates 2,316 total hours and the engine has 156 TSOH."

The pilot reported a total of 538 hours, of which 58 hours were in make and model.

Pilot Information

Certificate:	Private	Age:	54, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	08/02/2000
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	538 hours (Total, all aircraft), 58 hours (Total, this make and model), 509 hours (Pilot In Command, all aircraft), 26 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N9697D
Model/Series:	PA-22-160 PA-22-160	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	22-6607
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	05/15/2000, Annual	Certified Max Gross Wt.:	2000 lbs
Time Since Last Inspection:	28 Hours	Engines:	1 Reciprocating
Airframe Total Time:	2316 Hours	Engine Manufacturer:	Lycoming
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-320-B2A
Registered Owner:	MELVIN E. REED	Rated Power:	160 hp
Operator:	MELVIN E. REED	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	SEG, 450 ft msl	Distance from Accident Site:	9 Nautical Miles
Observation Time:	1453 EDT	Direction from Accident Site:	160°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	10 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	190°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	22° C / 11° C
Precipitation and Obscuration:			
Departure Point:	BETHAL, PA (8N1)	Type of Flight Plan Filed:	None
Destination:	, PA (3PA6)	Type of Clearance:	None
Departure Time:	1438 EDT	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC): LEAH D YEAGER

Additional Participating Persons: JOSEPH E GREEN; HARRISBURG, PA

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/>.