



Aviation Investigation Preliminary Report

Location:	Franklin, PA	Accident Number:	ERA24LA101
Date & Time:	January 15, 2024, 14:48 Local	Registration:	N7682U
Aircraft:	Cessna 150M	Injuries:	1 Serious
Flight Conducted Under:	Part 91: General aviation - Instructional		

On January 15, 2024, at 1448 eastern standard time, a Cessna 150M, N7682U, was substantially damaged when it was involved in an accident at Venango Regional Airport (FKL), Franklin, Pennsylvania. The private pilot was seriously injured. The airplane was operated as a Title 14 *Code of Federal Regulations* Part 91 solo instructional flight.

The pilot stated that she arrived at Beverly Regional Airport (BVY), Beverly, Massachusetts at 0600 and conducted a preflight inspection of the airplane with no irregularities found and then began the solo VFR cross-country flight about 0730. The flight consisted of multiple legs with her final destination planned for Coleman A Young Municipal Airport (DET), Detroit, Michigan.

About 1 1/2 hours into the flight, the pilot diverted to Albany International Airport (ALB), Albany, New York because the airplane's fuel quantity indicated lower than expected. Upon landing, she requested a top-off which consisted of 13 gallons of aviation fuel (22.5 total) and resumed the flight to Youngstown/Warren Regional Airport (YNG), Youngstown/Warren, Ohio, about 320 miles to the west.

The pilot reported that she elected to divert to FKL for additional fuel because the cost was substantially less expensive than at the destination airport and notified air traffic control of her intentions. According to preliminary automatic dependent surveillance-broadcast (ADS-B) data provided by the Federal Aviation Administration, about 3 1/2 hours and 255 miles into the flight, she initiated a descent about 30 miles from FKL. Subsequently, when the airplane was on the base leg of the airport traffic pattern, the throttle would not respond to any input and there was a complete loss of engine power. Too low to troubleshoot, she attempted to land the airplane but was high and overshot the runway. The airplane landed long and impacted on the adjacent taxiway F, where it struck a berm before coming to rest.

A Federal Aviation Administration (FAA) inspector examined the airplane and found that the fuselage was buckled, and the nose landing gear was fractured and separated. The fuel tanks

remained intact and about 3 1/2 total gallons of fuel was drained. The gascolator bowl was empty of fuel. Engine continuity was confirmed through crankshaft rotation and pressure gauge compression was sufficiently achieved on each cylinder. The spark plugs electrodes appeared normal with no fouling or anomalies noted and the magnetos were manually rotated and achieved spark at each post. The propeller remained intact and did not have any gouges or chordwise scraping.

The airplane was retained for further examination.

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N7682U
Model/Series:	150M	Aircraft Category:	Airplane
Amateur Built:			
Operator:	TECH FLIGHT CORP	Operating Certificate(s) Held:	None
Operator Designator Code:			

Meteorological Information and Flight Plan

Conditions at Accident Site:	VMC	Condition of Light:	Day
Observation Facility, Elevation:	FKL,1540 ft msl	Observation Time:	14:56 Local
Distance from Accident Site:	0 Nautical Miles	Temperature/Dew Point:	-9°C /-18°C
Lowest Cloud Condition:	Clear	Wind Speed/Gusts, Direction:	8 knots / , 240°
Lowest Ceiling:	None	Visibility:	10 miles
Altimeter Setting:	30.08 inches Hg	Type of Flight Plan Filed:	VFR
Departure Point:	Albany, NY (ALB)	Destination:	Franklin, PA

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Serious	Latitude, Longitude:	41,-79 (est)

Administrative Information

Investigator In Charge (IIC):	Mccarter, Lawrence
Additional Participating Persons:	Daniel Welms; FAA/FSDO; Pittsburgh, PA
Investigation Class:	Class 3
Note:	The NTSB did not travel to the scene of this accident.