



Aviation Investigation Preliminary Report

Location:	El Dorado, AR	Accident Number:	CEN23LA419
Date & Time:	September 23, 2023, 16:25 Local	Registration:	N67CD
Aircraft:	Beech A36	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General aviation - Instructional		

On September 23, 2023, at 1625 central daylight time, a Beech A36 airplane, N67CD, was involved in an accident near El Dorado, Arkansas. The airplane sustained substantial damage. The pilot and a flight instructor received minor injuries. The airplane was operated under Title 14 *Code of Federal Regulations* Part 91 as an instructional flight.

The airplane engine was equipped with a turbocharger through a supplemental type certificate installation. About six weeks prior to the accident flight, the airplane experienced a loss of engine power.

The accident flight was a cross country flight to provide the pilot/airplane owner with training required by the pilot's insurance carrier. During the accident flight, the airplane operated normally during the first two hours of the flight but was then followed by a fuel flow/consumption rate that seemed a little high to the flight instructor. When the instructor tried to reduce the mixture setting, the engine began to run rough, which he thought was unusual. The engine began to run rough again, and the instructor increased the mixture setting, which smoothed the engine. The engine then ran rough two additional times, and both times, the instructor increased the mixture setting causing the engine roughness to cease. The engine roughness occurred again but was worse than roughness previously experienced. The instructor increased the mixture control to its full forward position and decided to divert to an alternate airport. The engine lost power during the approach to the alternate airport, and the flight instructor performed a forced landing to a field. During the landing, the airplane sustained substantial damage to the fuselage and wings.

The airplane was retained for further examination.

Aircraft and Owner/Operator Information

Aircraft Make:	Beech	Registration:	N67CD
Model/Series:	A36	Aircraft Category:	Airplane
Amateur Built:			
Operator:	On file	Operating Certificate(s) Held:	None
Operator Designator Code:	N/A		

Meteorological Information and Flight Plan

Conditions at Accident Site:	VMC	Condition of Light:	Day
Observation Facility, Elevation:	ELD,277 ft msl	Observation Time:	16:53 Local
Distance from Accident Site:	8 Nautical Miles	Temperature/Dew Point:	33°C /22°C
Lowest Cloud Condition:	Clear	Wind Speed/Gusts, Direction:	/ ,
Lowest Ceiling:	None	Visibility:	10 miles
Altimeter Setting:	29.86 inches Hg	Type of Flight Plan Filed:	IFR
Departure Point:	Gulf Shores, AL (JKA)	Destination:	Oklahoma City, OK (HSD)

Wreckage and Impact Information

Crew Injuries:	2 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Minor	Latitude, Longitude:	33.1662,-92.606 (est)

Administrative Information

Investigator In Charge (IIC):	Gallo, Mitchell
Additional Participating Persons:	Thomas Farago; Federal Aviation Administration, Little Rock FSDO; Little Rock, AR
Note:	The NTSB did not travel to the scene of this accident.