



Aviation Investigation Preliminary Report

Location:	Guthrie, OK	Accident Number:	CEN24LA317
Date & Time:	August 14, 2024, 20:00 Local	Registration:	N184DC
Aircraft:	Vans RV8	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

On August 14, 2024, about 2000 central daylight time, a Vans RV-8A airplane, N184DC, sustained substantial damage when it was involved in an accident near Guthrie, Oklahoma. The pilot was not injured. The airplane was operated as a Title 14 *Code of Federal Regulations* Part 91 personal flight.

According to the pilot, about 40 ft above ground level during the initial climb from the grass airstrip, the engine cylinders No. 2 and 3 lost power. About 10 seconds later, engine cylinders No. 1 and 4 lost power. The pilot was unable to maintain altitude and switched fuel tanks in an attempt to regain engine power. The pilot noted no change in the engine performance, and the airplane impacted trees beyond the departure end of the runway. The airplane sustained substantial damage to both wings, fuselage, and empennage.

Initial postaccident examination of the airplane did not reveal any anomalies. The airplane was retained for further examination.

Aircraft and Owner/Operator Information

Aircraft Make:	Vans	Registration:	N184DC
Model/Series:	RV8 A	Aircraft Category:	Airplane
Amateur Built:	Yes		
Operator:	On file	Operating Certificate(s) Held:	None
Operator Designator Code:			

Meteorological Information and Flight Plan

Conditions at Accident Site:	VMC	Condition of Light:	Night
Observation Facility, Elevation:	KGOK,1065 ft msl	Observation Time:	19:53 Local
Distance from Accident Site:	2 Nautical Miles	Temperature/Dew Point:	33°C /22°C
Lowest Cloud Condition:	Clear	Wind Speed/Gusts, Direction:	11 knots / 17 knots, 160°
Lowest Ceiling:	None	Visibility:	10 miles
Altimeter Setting:	29.87 inches Hg	Type of Flight Plan Filed:	None
Departure Point:	Guthrie, OK	Destination:	Newalla, OK (2OK2)

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:		Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	35.879462,-97.42425 (est)

Administrative Information

Investigator In Charge (IIC):	Sauer, Aaron
Additional Participating Persons:	Maxwell Bradley; FAA; Oklahoma City, OK
Investigation Class:	Class 3
Note:	The NTSB did not travel to the scene of this accident.