



# Aviation Investigation Preliminary Report

<b>Location:</b>	Guthrie, OK	<b>Accident Number:</b>	CEN24LA317
<b>Date &amp; Time:</b>	August 14, 2024, 20:00 Local	<b>Registration:</b>	N184DC
<b>Aircraft:</b>	Vans RV8	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	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

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

## Meteorological Information and Flight Plan

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

## Wreckage and Impact Information

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

## Administrative Information

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