



Aviation Investigation Final Report

Location: Hermiston, Oregon Accident Number: WPR21LA162

Date & Time: April 17, 2021, 14:00 Local Registration: N51080

Aircraft: THRUSH AIRCRAFT LLC S2R-T660 Aircraft Damage: Substantial

Defining Event: Landing gear collapse **Injuries:** 1 None

Flight Conducted Under: Part 137: Agricultural

Analysis

The pilot of the tailwheel-equipped airplane reported that, during the takeoff roll, the left main landing gear tire failed. The airplane veered left, exited the runway and impacted terrain. The right wing and the engine truss sustained substantial damage. The pilot added that there were no preaccident mechanical malfunctions or failures with the airplane that would have precluded normal operation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The pilot's loss of directional control due to a blown tire, which resulted in a runway excursion and impact with terrain.

Findings

Aircraft Tire casing - Failure

Personnel issues Aircraft control - Pilot

Aircraft Directional control - Not attained/maintained

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Factual Information

History of Flight

Takeoff	Landing gear collapse (Defining event)	
Takeoff	Loss of control on ground	
Takeoff	Runway excursion	
Takeoff	Collision with terr/obj (non-CFIT)	

Pilot Information

Certificate:	Commercial	Age:	36,Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	Helicopter	Restraint Used:	4-point
Instrument Rating(s):	None	Second Pilot Present:	
Instructor Rating(s):	None	Toxicology Performed:	
Medical Certification:	Class 2 Without waivers/limitations	Last FAA Medical Exam:	February 5, 2021
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	November 4, 2019
Flight Time:		rcraft), 2500 hours (Pilot In Command Last 30 days, all aircraft), 0 hours (Las	

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Aircraft and Owner/Operator Information

Aircraft Make:	THRUSH AIRCRAFT LLC	Registration:	N51080
Model/Series:	S2R-T660 NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:	2020	Amateur Built:	
Airworthiness Certificate:	Normal; Restricted (Special)	Serial Number:	T660-158DC
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	April 9, 2021 Continuous airworthiness	Certified Max Gross Wt.:	14500 lbs
Time Since Last Inspection:		Engines:	1 Turbo prop
Airframe Total Time:	130 Hrs as of last inspection	Engine Manufacturer:	Pratt & Whitney
ELT:	Not installed	Engine Model/Series:	PT6-67AG
Registered Owner:	K2 AERIAL APPLICATION LLC	Rated Power:	1350 Horsepower
Operator:	K2 AERIAL APPLICATION LLC	Operating Certificate(s) Held:	Agricultural aircraft (137)

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	HRI,300 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	13:53 Local	Direction from Accident Site:	220°
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:		Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.22 inches Hg	Temperature/Dew Point:	24°C / -2°C
Precipitation and Obscuration:			
Departure Point:	Hermiston, OR	Type of Flight Plan Filed:	None
Destination:	Hermiston, OR	Type of Clearance:	VFR
Departure Time:		Type of Airspace:	Class G

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Airport Information

Airport:	HERMISTON MUNI HRI	Runway Surface Type:	Asphalt
Airport Elevation:	644 ft msl	Runway Surface Condition:	Dry
Runway Used:	05/23	IFR Approach:	None
Runway Length/Width:	4501 ft / 75 ft	VFR Approach/Landing:	Unknown

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:		Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	45.828222,-119.25916(est)

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Administrative Information

lavortinator la Oborgo (IIO):	Nenemore Floorer
Investigator In Charge (IIC):	Nepomuceno, Eleazar
Additional Participating Persons:	Keith Ruconich; FAA; Portland, OR
Original Publish Date:	September 20, 2021
Last Revision Date:	
Investigation Class:	Class 4
Note:	The NTSB did not travel to the scene of this accident.
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=102936

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant events in other modes of transportation—railroad, transit, highway, marine, pipeline, and commercial space. We determine the probable causes of the accidents and events we investigate, and issue safety recommendations aimed at preventing future occurrences. In addition, we conduct transportation safety research studies and offer information and other assistance to family members and survivors for each accident or event we investigate. We also serve as the appellate authority for enforcement actions involving aviation and mariner certificates issued by the Federal Aviation Administration (FAA) and US Coast Guard, and we adjudicate appeals of civil penalty actions taken by the FAA.

The NTSB does not assign fault or blame for an accident or incident; rather, as specified by NTSB regulation, "accident/incident investigations are fact-finding proceedings with no formal issues and no adverse parties ... and are not conducted for the purpose of determining the rights or liabilities of any person" (Title 49 Code of Federal Regulations section 831.4). Assignment of fault or legal liability is not relevant to the NTSB's statutory mission to improve transportation safety by investigating accidents and incidents and issuing safety recommendations. In addition, statutory language prohibits the admission into evidence or use of any part of an NTSB report related to an accident in a civil action for damages resulting from a matter mentioned in the report (Title 49 United States Code section 1154(b)). A factual report that may be admissible under 49 United States Code section 1154(b) is available here.

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