



National Transportation Safety Board Aviation Accident Final Report

Location:	Rose Hill, KS	Accident Number:	GAA19CA560
Date & Time:	09/23/2019, 0830 CDT	Registration:	N1398
Aircraft:	THOMAS LEE Nieuport 11	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported that, during takeoff, he added power, and the biplane veered left, which he was unable to "check." The biplane veered off the runway to the left and impacted precision approach path indicator lights, spun 180°, and came to rest in grass adjacent to the runway. The biplane sustained substantial damage to the lower right wing. The pilot reported that there were no preaccident mechanical failures or malfunctions with the biplane 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 failure to maintain directional control during takeoff, which resulted in a runway excursion and an impact with runway lights.

Findings

Aircraft	Directional control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)
Environmental issues	Runway/taxi/approach light - Effect on operation (Cause)

Factual Information

History of Flight

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

Certificate:	Commercial	Age:	81, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Single
Other Aircraft Rating(s):	Glider	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Sport Pilot	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	07/01/2019
Flight Time:	(Estimated) 3460 hours (Total, all aircraft), 272 hours (Total, this make and model), 3460 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	THOMAS LEE	Registration:	N1398
Model/Series:	Nieuport 11	Aircraft Category:	Airplane
Year of Manufacture:	1988	Amateur Built:	No
Airworthiness Certificate:	Experimental	Serial Number:	1398
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	08/26/2019, Condition	Certified Max Gross Wt.:	793 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	397.4 Hours as of last inspection	Engine Manufacturer:	Lycoming
ELT:	Not installed	Engine Model/Series:	O-145-B2
Registered Owner:	On file	Rated Power:	65 hp
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KIAB, 1371 ft msl	Distance from Accident Site:	5 Nautical Miles
Observation Time:	1335 UTC	Direction from Accident Site:	306°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:		Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.23 inches Hg	Temperature/Dew Point:	8°C / -7°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Rose Hill, KS (K50)	Type of Flight Plan Filed:	None
Destination:	Rose Hill, KS (K50)	Type of Clearance:	None
Departure Time:	1030 CDT	Type of Airspace:	Class G

Airport Information

Airport:	COOK AIRFIELD (K50)	Runway Surface Type:	Asphalt
Airport Elevation:	1345 ft	Runway Surface Condition:	Dry
Runway Used:	17	IFR Approach:	None
Runway Length/Width:	3472 ft / 40 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	37.564722, -97.174722 (est)

Administrative Information

Investigator In Charge (IIC):	Kathryn R Benhoff	Report Date:	03/17/2020
Additional Participating Persons:	Richard Stevens; FAA; Wichita, KS		
Publish Date:	03/17/2020		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=100318		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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