



Aviation Investigation Final Report

Location:	Burdett, Kansas	Accident Number:	CEN15CA184
Date & Time:	March 28, 2015, 17:30 Local	Registration:	N2093J
Aircraft:	Cessna T188C	Aircraft Damage:	Substantial
Defining Event:	Dragged wing/rotor/float/other	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

According to the accident pilot, the agricultural airplane was loaded with 120 gallons of product and the fuel tanks were half full. During the takeoff roll about one-third down the runway, he airplane encountered a gust of wind. The airplane veered left and exited the runway into tall grass. The pilot attempted to maneuver the airplane back to the runway to continue the takeoff. The airplane collided with a barbed wire fence and rotated 180 degrees. The responding Federal Aviation Administration inspector reported the airplane sustained substantial damage to the wings, fuselage and empennage. The pilot reported that the airplane had no mechanical malfunctions or failures and the engine was producing power.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot did not maintain directional control of the airplane in gusting wind conditions.

Findings

Environmental issues	Gusts - Response/compensation
Aircraft	Crosswind correction - Not attained/maintained

Factual Information

History of Flight

Takeoff	Dragged wing/rotor/float/other (Defining event)
Takeoff	Other weather encounter

Pilot Information

Certificate:	Commercial	Age:	59
Airplane Rating(s):	Single-engine land	Seat Occupied:	Single
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Without waivers/limitations	Last FAA Medical Exam:	January 29, 2015
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N2093J
Model/Series:	T188C	Aircraft Category:	Airplane
Year of Manufacture:	1978	Amateur Built:	
Airworthiness Certificate:	Restricted (Special)	Serial Number:	T18803383T
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	March 14, 2015 Annual	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	Turbo prop
Airframe Total Time:	6114 Hrs as of last inspection	Engine Manufacturer:	Continental Motors
ELT:		Engine Model/Series:	TSIO-520-T
Registered Owner:	RUCKER DARLENE M	Rated Power:	310 Horsepower
Operator:	RUCKER DARLENE M	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:	KDDC,2592 ft msl	Distance from Accident Site:	32 Nautical Miles
Observation Time:	22:52 Local	Direction from Accident Site:	219°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	130°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.93 inches Hg	Temperature/Dew Point:	26°C / 2°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Burdett, KS (SN29)	Type of Flight Plan Filed:	None
Destination:	Burdett, KS (SN29)	Type of Clearance:	None
Departure Time:	15:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	RUCKER BURDETT SN29	Runway Surface Type:	Grass/turf
Airport Elevation:	2151 ft msl	Runway Surface Condition:	Unknown
Runway Used:	16	IFR Approach:	None
Runway Length/Width:	2650 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	38.184165,-99.533889(est)

Administrative Information

Investigator In Charge (IIC):	Lindberg, Joshua
Additional Participating Persons:	Rick Terrell; FAA; Wichita, KS
Original Publish Date:	May 13, 2015
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=90954

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](#).