



Aviation Investigation Final Report

Location:	Lamar, Colorado	Accident Number:	DEN04CA080
Date & Time:	May 24, 2004, 18:30 Local	Registration:	N2030J
Aircraft:	Cessna T188C	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

The pilot reported he had made several passes on a field when he noticed his airspeed was low (80 miles per hour) with a normal power setting of 32 inches manifold pressure and 2,500 rpm. The pilot said he leveled the airplane's wings and lowered the nose. He said when the airspeed did not increase he went to full power. The pilot said his airspeed continued to decay. The airplane was also descending. The pilot said he unsuccessfully attempted to dump his 125 gallons of chemical. The airplane mushed into the field. An examination of the airplane showed the propeller broken off in torsion. The airplane's left wing was bent back, and the airplane's left main landing gear was broken aft. An examination of the airplane's systems showed no anomalies.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: A partial loss of engine power for undetermined reasons and the pilot's failure to maintain adequate airspeed which resulted in a stall. Contributing to the accident was the low altitude.

Findings

Occurrence #1: LOSS OF ENGINE POWER(PARTIAL) - NONMECHANICAL
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings
2. (C) AIRSPEED - INADEQUATE - PILOT IN COMMAND
3. STALL/MUSH

Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings
4. TERRAIN CONDITION - CROP

Factual Information

On May 25, 2004, at 1830 mountain daylight time, a Cessna T188C, N2030J, impacted terrain 6 miles north-northeast of Lamar, Colorado. The commercial pilot on board was not injured. The aerial application flight was being conducted under the provisions of Title 14 CFR Part 137 without a flight plan. Visual meteorological conditions prevailed at the time of the accident. The flight originated from a private airstrip located 17 miles northeast of Lamar, at 1815.

The pilot reported he had made several passes on a field when he noticed his airspeed was low (80 miles per hour) with a normal power setting of 32 inches manifold pressure and 2,500 rpm. The pilot said he leveled the airplane's wings and lowered the nose. He said when the airspeed did not increase he went to full power. The pilot said his airspeed continued to decay. The airplane was also descending. The pilot said he unsuccessfully attempted to dump his 125 gallons of chemical. The airplane mushed into the field.

An examination of the airplane showed the propeller broken off in torsion. The airplane's left wing was bent back, and the airplane's left main landing gear was broken aft.

Flight control continuity was confirmed. An examination of the airplane's systems showed no anomalies.

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	65, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 2	Last FAA Medical Exam:	September 1, 2003
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	9000 hours (Total, all aircraft), 1900 hours (Total, this make and model), 15 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N2030J
Model/Series:	T188C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Restricted (Special)	Serial Number:	T188-03335T
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:		Certified Max Gross Wt.:	4400 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Continental
ELT:		Engine Model/Series:	TSIO-520T
Registered Owner:	Bruce B. Bremner	Rated Power:	
Operator:		Operating Certificate(s) Held:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	LAA	Distance from Accident Site:	
Observation Time:	10:53 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	Broken / 7000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	7 knots / 0 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	110°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.04 inches Hg	Temperature/Dew Point:	17°C / 6°C
Precipitation and Obscuration:			
Departure Point:	Lamar, CO	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	18:15 Local	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	
Total Injuries:	1 None	Latitude, Longitude:	38.169723,-102.688613

Administrative Information

Investigator In Charge (IIC): Bowling, David

Additional Participating Persons:

Original Publish Date: September 1, 2004

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=59320>

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