



Aviation Investigation Final Report

Location:	CRESSON, Texas	Accident Number:	FTW83LA183
Date & Time:	April 10, 1983, 15:00 Local	Registration:	N753OM
Aircraft:	CESSNA 175	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE ACFT COLLIDED WITH A DITCH DURING A FORCED LANDING AFTER THE ENGINE FAILED IN FLT. AFTER TAKEOFF, AT 3500 FT, THE ENGINE BEGAN MAKING NOISES. THE PLT BEGAN A DESCENT TOWARD THE ARPT A SHORT DISTANCE AWAY. THE ENGINE MAINTAINED SOME POWER BUT FAILED COMPLETELY BEFORE LANDING. DURING THE LANDING THE PLT ALLOWED THE AIRSPEED TO REACH 100 KTS AS HE LINED UP FOR AN APPROACH TO RWY 32. THE WIND WAS REPORTED TO BE FROM 200 DEGREES AT 15 KTS. THE AIRSPEED WAS EXCESSIVE AND THE ACFT WOULD NOT STAY ON THE GROUND DURING THE LANDING ROLL. WHEN HE THOUGHT HE WAS 'RUNNING OUT OF RWY' HE TURNED TOWARD AN ADJOINING FIELD, FLEW OVER SOME OBSTRUCTIONS BEFORE HITTING A DITCH AND NOSING OVER. INVESTIGATION REVEALED AN ENGINE MOUNT BROKEN. THE SHIFTING OF THE ENGINE RESULTED IN A SHUTDOWN WHEN THE MIXTURE CONTROL HIT AN ENGINE MOUNT CROSSBAR.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF ENGINE POWER
Phase of Operation: CRUISE - NORMAL

Findings

1. (C) ENGINE ASSEMBLY, MOUNT - FAILURE, TOTAL
2. (F) ENGINE ASSEMBLY, MOUNT - CORRODED

Occurrence #2: FORCED LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

3. (C) PROPER TOUCHDOWN POINT - NOT ATTAINED - PILOT IN COMMAND
4. (C) INADEQUATE TRAINING - PILOT IN COMMAND
5. (C) AIRSPEED - EXCESSIVE - PILOT IN COMMAND

Occurrence #3: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

6. (F) TERRAIN CONDITION - DITCH

Occurrence #4: NOSE OVER

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Factual Information

Pilot Information

Certificate:	Student	Age:	49, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):		Restraint Used:	
Instrument Rating(s):		Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim	Last FAA Medical Exam:	February 18, 1983
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	152 hours (Total, all aircraft), 65 hours (Total, this make and model), 100 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N7530M
Model/Series:	175 175	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	55830
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	July 9, 1982 Annual	Certified Max Gross Wt.:	2350 lbs
Time Since Last Inspection:	49 Hrs	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated	Engine Model/Series:	GO-300-A
Registered Owner:	BILLY R. MORROW	Rated Power:	175 Horsepower
Operator:		Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	15 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	15 knots / 18 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	200°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	28°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	CLEBURNE , TX (F18)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	00:00 Local	Type of Airspace:	Airport advisory area

Airport Information

Airport:	BOURLAND SOF	Runway Surface Type:	Grass/turf
Airport Elevation:	800 ft msl	Runway Surface Condition:	Dry
Runway Used:	32	IFR Approach:	None
Runway Length/Width:	3300 ft / 80 ft	VFR Approach/Landing:	Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	32.529266,-97.649635(est)

Administrative Information

Investigator In Charge (IIC): Mcfall, T.

Additional Participating Persons:

Original Publish Date:

Last Revision Date:

Investigation Class: [Class](#)

Note:

Investigation Docket: <https://data.nts.gov/Docket?ProjectID=20859>

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