



National Transportation Safety Board Aviation Accident Final Report

Location:	LORDSBURG, NM	Accident Number:	DEN85LA058
Date & Time:	01/02/1985, 1650 MST	Registration:	N101PQ
Aircraft:	CESSNA 210B	Aircraft Damage:	Substantial
Defining Event:		Injuries:	5 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

PLT STATED THAT DURING THE FLT THE RT FUEL TANK WAS USED UNTIL EMPTY AT WHICH TIME THE LEFT TANK WAS SELECTED. APRX 20 MINUTES AFTER SWITCHING TANKS AND 2 HRS 35 MINUTES AFTER DEPARTURE, THE ENGINE BACKFIRED AND SUBSEQUENTLY QUIT. A FORCED LANDING WAS MADE DURING WHICH TIME ACFT NOSED DOWN AFTER CONTACTING A SAND DOME. INVESTIGATION REVEALED THAT DURING THE 4 MONTHS WHICH THE PLT OWNED THE ACFT HE HAD TO HAVE THE FUEL SYSTEM CLEANED TWICE BECAUSE OF SEDIMENT. INSPECTION OF THE ACFT DISCLOSED SEDIMENT IN THE FUEL PUMPS AND SADDLE TANKS. THE SEDIMENT WAS CLEANED OUT AND THE ENGINE WOULD NOT RUN LONGER THEN APRX 2 MINUTES ON EITHER TANK. THE FUEL SYSTEM WAS THOROUGHLY CHECKED AND THE ONLY DISCREPANCY NOTED WAS EXCESSIVE PLAY IN THE FUEL SELECTOR VALVE.

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. (F) FLUID,FUEL - STARVATION
 2. (C) BLEED AIR SYSTEM,VALVE - UNDETERMINED
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Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING - ROLL

Findings

3. (F) TERRAIN CONDITION - LOOSE GRAVEL/SANDY
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Occurrence #4: NOSE DOWN
Phase of Operation: LANDING - ROLL

Factual Information

Pilot Information

Certificate:	Private	Age:	56, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	06/15/1984
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	565 hours (Total, all aircraft), 23 hours (Total, this make and model), 491 hours (Pilot In Command, all aircraft), 22 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N101PQ
Model/Series:	210B 210B	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	21057932
Landing Gear Type:	Retractable - Tricycle	Seats:	5
Date/Type of Last Inspection:	06/07/1984, 100 Hour	Certified Max Gross Wt.:	3000 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3266 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	IO-470-S
Registered Owner:	ANTONIO CASTANEDO	Rated Power:	260 hp
Operator:	ANTONIO CASTANEDO	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	DEM, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1654	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	80 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	150°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	2° C / -9° C
Precipitation and Obscuration:			
Departure Point:	RIALTO, CA	Type of Flight Plan Filed:	None
Destination:	CARLSBAD, NM	Type of Clearance:	None
Departure Time:	1300 PST	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	4 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	5 Minor	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	FRED R WINNINGHAM	Report Date:	
Additional Participating Persons:	KEITH RUNYAN; ALBUQUERQUE, NM		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).