

Aviation Investigation Final Report

Location:	HAMILTON, Monta	ina	Accident Number:	DEN88LA197
Date & Time:	September 2, 1988	8, 13:00 Local	Registration:	N9436P
Aircraft:	PIPER	PA-24-260C	Aircraft Damage:	Substantial
Defining Event:			Injuries:	1 Serious
Flight Conducted Under:	Part 91: General av	viation - Personal		

Analysis

THE PRIVATE PLT WAS DESCENDING TO THE DESTINATION ARPT AT THE CONCLUSION OF A 3.5 HR X-COUNTRY FLIGHT. THE PLT SAID HE SELECTED THE RIGHT MAIN FUEL TANK AND FLEW UNTIL THE 'FUEL WAS LOW TO THE POINT OF EXHAUSTION.' DURING A RIGHT TURN, WITH THE GEAR EXTENDED, THE ENGINE LOST POWER. ALL SUBSEQUENT EFFORTS TO RESTORE POWER FAILED. THE PLT ATTEMPTED TO GLIDE TO THE AIRPORT, AND RETRACTED THE LANDING GEAR, BUT WAS FORCED TO LAND IN A FIELD SHORT OF THE RUNWAY. THE ACFT IMPACTED WHEELS UP, AND SKIDDED 60 YARDS PRIOR TO COMING TO REST. THE PLT FELT THAT THE ELECTRIC FUEL BOOST PUMP FAILED TO PROVIDE FUEL FAST ENOUGH AND CONTRIBUTED TO THE ACCIDENT. A POST ACCIDENT INSPECTION BY AN FAA INSPECTOR FAILED TO REVEAL ANY PRE-ACCIDENT FAILURE OR MALFUNCTION. NO FUEL WAS FOUND IN THE RIGHT MAIN TANK.

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(TOTAL) - NONMECHANICAL Phase of Operation: APPROACH

Findings

(C) FLUID, FUEL - STARVATION
(C) FUEL TANK SELECTOR POSITION - IMPROPER - PILOT IN COMMAND

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

Occurrence #3: GEAR NOT EXTENDED Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings 3. GEAR RETRACTION - INTENTIONAL - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Private	Age:	59,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medicalno waivers/lim.	Last FAA Medical Exam:	May 7, 1987
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	493 hours (Total, all aircraft), 200 hours (Total, this make and model), 450 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N9436P
Model/Series:	PA-24-260C PA-24-260C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	24-4944
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	August 28, 1988 Continuous airworthiness	Certified Max Gross Wt.:	3200 lbs
Time Since Last Inspection:	3 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	1295 Hrs	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	TIO-540-R1A5
Registered Owner:	KEN A. FRANCE	Rated Power:	260 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	30 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:	0°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	29°C
Precipitation and Obscuration:	No Obscuration; No Pre	cipitation	
Departure Point:	CONCORD , CA (CC	R) Type of Flight Plan Filed:	None
Destination:	(6S5)	Type of Clearance:	None
Departure Time:	08:45 Local	Type of Airspace:	Class G

Airport Information

Airport:		Runway Surface Type:	Grass/turf
Airport Elevation:	0 ft msl	Runway Surface Condition:	Vegetation
Runway Used:	0	IFR Approach:	None
Runway Length/Width:	0 ft / 0 ft	VFR Approach/Landing:	Forced landing

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Serious	Latitude, Longitude:	46.160377,-114.139755(est)

Administrative Information

Investigator In Charge (IIC):	Collins, Robert	
Additional Participating Persons:	EARL WEBB; HELENA , MT	
Original Publish Date:	October 2, 1989	
Last Revision Date:		
Investigation Class:	<u>Class</u>	
Note:		
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=17537	

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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 <u>here</u>.