



National Transportation Safety Board Aviation Accident Final Report

Location:	DENVER, CO	Accident Number:	DEN88FA126
Date & Time:	06/10/1988, 1604 MDT	Registration:	N8827K
Aircraft:	CESSNA 404	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Serious
Flight Conducted Under:	Part 91: General Aviation - Ferry		

Analysis

THE PLT WAS ON A FLT FROM GREELEY TO DENVER, COLORADO TO OBTAIN MINOR MAINT ON A CARGO DOOR. AS THE ACFT WAS BEING VECTORED ON FINAL APCH, THE PLT RPRTD THAT HE BELIEVED THE ACFT HAD FUEL STARVATION. SUBSEQUENTLY, THE ACFT WAS OBSERVED TO MAKE A COMPLETE ROLL & CRASH IN A RESIDENTIAL AREA. ONLY ABOUT 1.5 GAL OF FUEL WAS FOUND IN THE RIGHT WING TANK. THE LEFT WING & FUEL TANK WERE DESTROYED, BUT NO ODOR OF FUEL WAS NOTED ON THE GROUND AROUND THE LEFT WING. ALSO, A LACK OF FUEL WAS NOTED IN THE FUEL LINES. THE ACFT HAD NOT BEEN REFUELED AFTER THE PREVIOUS FLT. THE PLT THAT HAD FLOWN THE ACFT ON A PREVIOUS FLT ESTIMATED THERE WAS 100 LBS OF FUEL REMAINING IN EACH TANK AFTER HIS FLT.

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 - VFR PATTERN - FINAL APPROACH

Findings

1. 1 ENGINE
 2. (F) AIRCRAFT PREFLIGHT - IMPROPER - PILOT IN COMMAND
 3. (F) REFUELING - NOT PERFORMED - PILOT IN COMMAND
 4. (F) IN-FLIGHT PLANNING/DECISION - IMPROPER - PILOT IN COMMAND
 5. (F) FLUID,FUEL - STARVATION
 6. (F) FUEL SUPPLY - INADEQUATE - PILOT IN COMMAND
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Occurrence #2: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

7. (C) AIRSPEED(VMC) - NOT MAINTAINED - PILOT IN COMMAND
 8. (C) AIRCRAFT CONTROL - NOT MAINTAINED - PILOT IN COMMAND
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Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

Pilot Information

Certificate:	Commercial	Age:	47, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	07/27/1987
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	1400 hours (Total, all aircraft), 400 hours (Total, this make and model), 1200 hours (Pilot In Command, all aircraft), 100 hours (Last 90 days, all aircraft), 33 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N8827K
Model/Series:	404 404	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	4040424
Landing Gear Type:	Retractable - Tricycle	Seats:	2
Date/Type of Last Inspection:	05/24/1988, Continuous Airworthiness	Certified Max Gross Wt.:	8400 lbs
Time Since Last Inspection:	39 Hours	Engines:	2 Reciprocating
Airframe Total Time:	3486 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated	Engine Model/Series:	GTISO-520-M
Registered Owner:	CHANE SOON PHIL	Rated Power:	375 hp
Operator:	AIR TODAY, INC.	Operating Certificate(s) Held:	On-demand Air Taxi (135)
Operator Does Business As:		Operator Designator Code:	TDY

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	DEN, 5333 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	1530 MDT	Direction from Accident Site:	270°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	5 Miles
Lowest Ceiling:	Broken / 8000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	16 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	290°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	27° C / 8° C
Precipitation and Obscuration:			
Departure Point:	GREELEY, CO (GXY)	Type of Flight Plan Filed:	None
Destination:	(DEN)	Type of Clearance:	
Departure Time:	1545 MDT	Type of Airspace:	Class B; Class D

Airport Information

Airport:	STAPELTON INTL (DEN)	Runway Surface Type:	Concrete
Airport Elevation:	5333 ft	Runway Surface Condition:	
Runway Used:	26L	IFR Approach:	None
Runway Length/Width:	10004 ft / 150 ft	VFR Approach/Landing:	Forced Landing; Straight-in

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	VERLIN B TRANTER	Report Date:	09/19/1989
Additional Participating Persons:	ROBERT WHITE; WICHITA, KS SCOTT BOYLE; ARVADA, CO ROGER RIGGENS; AURORA, CO		
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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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