



National Transportation Safety Board Aviation Accident Final Report

Location:	HONOLULU, HI	Accident Number:	LAX88LA051
Date & Time:	11/20/1987, 1124 HST	Registration:	N27512
Aircraft:	PIPER PA-31-350	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Minor, 5 None
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Scheduled		

Analysis

THE PILOT ESTIMATED THAT THE AIRCRAFT'S REDUCED FUEL QUANTITY WAS ADEQUATE FOR THE FLIGHT DURING HIS PREFLIGHT INSPECTION. AS THE AIRCRAFT DESCENDED FOR THE TRAFFIC PATTERN NEAR THE DESTINATION AIRPORT BOTH ENGINES FAILED. AFTER THE LOSS OF POWER THE PILOT EXECUTED A FORCED LANDING INTO A PARK WITH THE LANDING GEAR NOT FULLY EXTENDED. THE AIRCRAFT IMPACTED THE TERRAIN AND SLID INTO A FENCE BEFORE COMING TO A STOP.

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: DESCENT - NORMAL

Findings

1. (C) FLUID,FUEL - EXHAUSTION
2. (C) FUEL CONSUMPTION CALCULATIONS - INACCURATE - PILOT IN COMMAND
3. (F) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND

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

Occurrence #3: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: LANDING

Findings

4. (F) OBJECT - FENCE
5. GEAR EXTENSION - NOT ATTAINED - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	32, 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):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	07/01/1987
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	4190 hours (Total, all aircraft), 1685 hours (Total, this make and model), 4046 hours (Pilot In Command, all aircraft), 258 hours (Last 90 days, all aircraft), 123 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N27512
Model/Series:	PA-31-350 PA-31-350	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	217852035
Landing Gear Type:	Retractable - Tricycle	Seats:	8
Date/Type of Last Inspection:	11/03/1987, AAIP	Certified Max Gross Wt.:	7000 lbs
Time Since Last Inspection:	28 Hours	Engines:	2 Reciprocating
Airframe Total Time:	6315 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	LTIO-540
Registered Owner:	AIRTOUR ACGUSITION CORP.	Rated Power:	350 hp
Operator:	AIRTOUR ACQUISITION CORP.	Operating Certificate(s) Held:	Commuter Air Carrier (135); On-demand Air Taxi (135)
Operator Does Business As:		Operator Designator Code:	PAH4

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	HNL, 13 ft msl	Distance from Accident Site:	8 Nautical Miles
Observation Time:	1115 HST	Direction from Accident Site:	281°
Lowest Cloud Condition:	Scattered / 2500 ft agl	Visibility	15 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	15 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	60°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	28° C / 21° C
Precipitation and Obscuration:			
Departure Point:	KONA, HI (KOA)	Type of Flight Plan Filed:	VFR
Destination:	HONOLULU, HI (HNL)	Type of Clearance:	VFR
Departure Time:	0935 HST	Type of Airspace:	Class G

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	JAMES A WALL	Report Date:	05/26/1989
Additional Participating Persons:	PATRICIA ORCUTT; HONOLULU, HI STEVEN E DAHLEN; HONOLULU, HI		
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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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](#).