



National Transportation Safety Board Aviation Accident Data Summary

Location:	GENESE0, NY	Accident Number:	NYC95LA131
Date & Time:	06/01/1995, 1430 EDT	Registration:	N43705
Aircraft:	TAYLORCRAFT BC-12	Injuries:	1 Serious, 1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE AIRPLANE LANDED AT A LOCAL AIRPORT, WHERE THE PILOT PURCHASED AUTO FUEL FROM A VENDOR. PLASTIC CONTAINERS WERE USED TO TRANSPORT THE FUEL TO THE AIRPLANE. DURING INITIAL CLIMB AFTER TAKEOFF, THE ENGINE LOST POWER AND THE PILOT MADE A FORCED LANDING. DURING THE LANDING THE AIRPLANE NOSED OVER. EXAMINATION REVEALED THE AIRPLANE'S FUEL TANKS ALL CONTAINED AUTO FUEL, AND THE CARBURETOR BOWL CONTAINED WATER AND SEDIMENT. THE PLASTIC CONTAINERS USED TO TRANSPORT THE FUEL ALSO CONTAINED WATER AND SEDIMENT.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's inadequate preflight inspection, which failed to detect water-contaminated fuel which resulted in the loss of engine power. Also causal was the pilot's failure to maintain airspeed during the forced landing, which resulted in the inadvertent stall/spin and collision with the terrain.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) FLUID,FUEL - CONTAMINATION,WATER
2. (C) AIRCRAFT PREFLIGHT - INADEQUATE - PILOT IN COMMAND
3. FLUID,FUEL - STARVATION

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

Occurrence #3: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: DESCENT - EMERGENCY

Findings

4. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
5. STALL/SPIN - INADVERTENT - PILOT IN COMMAND

Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Pilot Information

Certificate:	Private	Age:	70
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	402 hours (Total, all aircraft), 183 hours (Total, this make and model), 402 hours (Pilot In Command, all aircraft), 67 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	TAYLORCRAFT	Registration:	N43705
Model/Series:	BC-12 BC-12	Engines:	1 Reciprocating
Operator:	BERNARD CHESNA	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	A-65-8
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	Calm / , Variable
Temperature:	24° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	(D77)	Destination:	LANCASTER, NY (D77)

Airport Information

Airport:	GENESEO (D52)	Runway Surface Type:	Grass/turf
Runway Used:	23	Runway Surface Condition:	Dry
Runway Length/Width:	4695 ft / 90 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): ROBERT L PEARCE

Adopted Date: 12/04/1995

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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