



National Transportation Safety Board Aviation Accident Data Summary

Location:	DAYTONA BEACH, FL	Accident Number:	ATL00LA049
Date & Time:	05/01/2000, 1504 EDT	Registration:	N819DH
Aircraft:	de Havilland DH-82C TIGERMOTH	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

Reportedly, the pilot completed a preflight of the airplane and elected to fly the airplane, despite reports that the airplane had been parked on the ramp for about one year. A witness stated that during the run-up the engine was running very rough. Shortly after takeoff the engine lost power and the airplane collided with the runway. The post-flight inspection revealed that the airplane had been fueled with automotive gasoline. A visual examination of the fuel supply revealed that the automotive gasoline appeared to be 'stale'.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's inadequate pre-flight inspection of the fuel supply that resulted in the loss of engine power due to fuel contamination.

Findings

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

Findings

1. (C) FLUID,FUEL - CONTAMINATION
2. (C) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND

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

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT

Findings

3. TERRAIN CONDITION - GROUND

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	61
Airplane Rating(s):	Multi-engine Land; Single-engine Land; Single-engine Sea	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	Gyroplane; Helicopter	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Glider; Instrument Airplane
Flight Time:	13000 hours (Total, all aircraft), 12800 hours (Pilot In Command, all aircraft), 28 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	de Havilland	Registration:	N819DH
Model/Series:	DH-82C TIGERMOTH DH-82C TI	Engines:	1 Reciprocating
Operator:	LEONARD OHLSSON	Engine Manufacturer:	Gypsy Major
Operating Certificate(s) Held:	None	Engine Model/Series:	4 CYL BRITISH
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:	KDA, 35 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	10 knots / 17 knots, 110°
Temperature:	26° C	Visibility:	10 Miles
Precipitation and Obscuration:			
Departure Point:		Destination:	SPRUCE CREEK, FL (9FL6)

Airport Information

Airport:	DAYTONA BEACH INTER (DAB)	Runway Surface Type:	Asphalt
Runway Used:	7L	Runway Surface Condition:	Dry
Runway Length/Width:	10500 ft / 150 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): PHILLIP POWELL

Adopted Date: 03/02/2001

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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