



National Transportation Safety Board Aviation Accident Data Summary

Location:	Fort Lauderdale, FL	Accident Number:	NYC07LA183
Date & Time:	08/01/2007, 2000 EDT	Registration:	N60801
Aircraft:	Piper Aerostar 601P	Injuries:	3 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

As the airplane turned onto final approach in the traffic pattern, at an altitude of 1,000 feet, the right engine began a violent vibration and started to lose power. The airplane was unable to maintain altitude, and the pilot attempted a forced landing to a road. As the airplane reached an altitude of approximately 300 feet, it began to lose directional control and impacted a traffic light. After touchdown, the airplane began to skid and impacted several objects on the ground before coming to rest. Metallurgical examination of the right engine revealed that it lost power due to a fatigue-fractured crankshaft. The pilot had positioned the right propeller control to feather, but the right propeller did not feather due to the fractured crankshaft. The engine was most recently overhauled 11 years prior to the accident, and the engine had accumulated 471 hours since then.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The total loss of power in one engine during approach, due to a fatigue fracture of the crankshaft.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

1. 1 ENGINE - FAILURE
2. (C) ENGINE ASSEMBLY, CRANKSHAFT - FATIGUE

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

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

Occurrence #4: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: EMERGENCY LANDING

Findings

3. OBJECT - TREE(S)

Pilot Information

Certificate:	Commercial	Age:	24
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1950 hours (Total, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N60801
Model/Series:	Aerostar 601P	Engines:	2 Reciprocating
Operator:	Austin Brennen	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	IO-540
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:	FXE, 13 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 15000 ft agl	Wind Speed/Gusts, Direction:	3 knots / , 240°
Temperature:	27° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Fort Lauderdale, FL (FXE)	Destination:	(FXE)

Airport Information

Airport:	Fort Lauderdale Executive (FXE)	Runway Surface Type:	Asphalt
Runway Used:	26	Runway Surface Condition:	Dry
Runway Length/Width:	6001 ft / 100 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	2 None	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:	26.197222, -80.170556		

Administrative Information

Investigator In Charge (IIC): Jill M Andrews

Adopted Date: 07/30/2008

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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