



Aviation Investigation Final Report

Location:	FT.LAUDERDALE, Florida	Accident Number:	MIA86LA235
Date & Time:	August 14, 1986, 17:26 Local	Registration:	N36LS
Aircraft:	PIPER PA-23-250	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

FLT EXPERIENCED LOSS OF POWER IN THE LEFT ENGINE SHORTLY AFTER TAKEOFF DUE TO CORROSION BLOCKING THE MAIN JET IN THE FUEL CONTROL UNIT. THE PILOT FEATHERED THE ENGINE AND RETURNED FOR A LANDING. WHILE ON SHORT FINAL HE REMEMBERED HE WOULD HAVE TO MANUALLY EXTEND THE LANDING GEAR DUE TO THE GEAR HYDRAULIC PUMP BEING INSTALLED ON THE LEFT ENGINE. WHEN HE COMPLETED EXTENDING THE LANDING GEAR THE AIRCRAFT WAS HALF WAY DOWN THE RUNWAY AND THE PILOT ATTEMPTED A GO AROUND WITH THE GEAR DOWN AND ONLY ONE ENGINE OPERATING. ALTITUDE AND AIRSPEED COULD NOT BE MAINTAINED AND THE PILOT ATTEMPTED A LANDING ON THE TAXI WAY OF AN ADJACENT RUNWAY. THE AIRCRAFT TOUCHED DOWN HARD AND THE AIRCRAFT RAN OFF THE LEFT SIDE OF THE TAXI WAY INTO A DITCH.

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) - MECH FAILURE/MALF
Phase of Operation: CLIMB - TO CRUISE

Findings

1. (F) FUEL SYSTEM,FUEL CONTROL - BLOCKED(PARTIAL)
2. (F) MAINTENANCE,INSPECTION - IMPROPER - OTHER MAINTENANCE PERSONNEL

Occurrence #2: HARD LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

3. (F) JUDGMENT - POOR - PILOT IN COMMAND
4. (C) IN-FLIGHT PLANNING/DECISION - POOR - PILOT IN COMMAND
5. (C) CHECKLIST - NOT FOLLOWED - PILOT IN COMMAND
6. (F) GO-AROUND - ATTEMPTED - PILOT IN COMMAND
7. (C) CLIMB - NOT POSSIBLE - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Commercial	Age:	34, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land; Multi-engine sea	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	None Expired	Last FAA Medical Exam:	January 8, 1978
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	
Flight Time:	3000 hours (Total, all aircraft), 710 hours (Total, this make and model), 6 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N36LS
Model/Series:	PA-23-250 PA-23-250	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	27-7405253
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	June 10, 1986 Annual	Certified Max Gross Wt.:	5200 lbs
Time Since Last Inspection:	2 Hrs	Engines:	2 Reciprocating
Airframe Total Time:	3310 Hrs	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	IO-540-C4B5
Registered Owner:		Rated Power:	250 Horsepower
Operator:	WESLEY R. MCCUTCHEON	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	FXE ,14 ft msl	Distance from Accident Site:	
Observation Time:	17:27 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Scattered / 3000 ft AGL	Visibility	7 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	130°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	17:25 Local	Type of Airspace:	Class D;Class E

Airport Information

Airport:	FT. LAUDERDALE EXECUTIVE FXE	Runway Surface Type:	Asphalt
Airport Elevation:	14 ft msl	Runway Surface Condition:	Dry
Runway Used:	26	IFR Approach:	None
Runway Length/Width:	6000 ft / 100 ft	VFR Approach/Landing:	Traffic pattern

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
Total Injuries:	2 None	Latitude, Longitude:	26.11902,-80.129562(est)

Administrative Information

Investigator In Charge (IIC):	Kennedy, Jeffrey
Additional Participating Persons:	ERNEST WILSON; FT. LAUDERDALE , FL EDWIN MCDANIEL; FT. LAUDERDALE , FL
Original Publish Date:	
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=31693

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