



National Transportation Safety Board Aviation Accident Data Summary

Location:	SELLERSBURG, IN	Accident Number:	CHI89DEX04
Date & Time:	06/02/1989, 1051 EDT	Registration:	N3665F
Aircraft:	NORTH AMERICAN SNJ-5	Injuries:	1 Serious, 1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

A TOTAL LOSS OF ENGINE POWER WAS EXPERIENCED ON A CROSSWIND LEG SHORTLY AFTER TAKEOFF. THE AIRPLANE CONTACTED A TELEPHONE WIRE AND 4 TO 5 FOOT HIGH MOUNDS OF DIRT DURING THE FORCED LANDING PRIOR TO COMING TO REST INVERTED. INSPECTION OF THE ENGINE REVEALED A CATASTROPHIC FAILURE OF THE SUPERCHARGER IMPELLER WHICH RESULTED IN THE INGESTION OF METAL INTO THE ENGINE AND SUBSEQUENT PISTON SEIZURE. EVIDENCE OF FOREIGN OBJECT DAMAGE WAS VISIBLE ON THE IMPELLER.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE INGESTION OF A FOREIGN OBJECT AND SUBSEQUENT SUPERCHARGER IMPELLER FAILURE.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) ENG ASSEMBLY,BLOWER/IMPELLER/INTEGRAL SUPERCHARGER - FOREIGN OBJECT DAMAGE
2. ENG ASSEMBLY,BLOWER/IMPELLER/INTEGRAL SUPERCHARGER - FAILURE,TOTAL
3. ENGINE ASSEMBLY,PISTON - SEIZED

Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

Findings

4. (F) TERRAIN CONDITION - NONE SUITABLE
5. OBJECT - WIRE,STATIC

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

6. TERRAIN CONDITION - ROUGH/UNEVEN

Occurrence #4: NOSE OVER

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Pilot Information

Certificate:	Airline Transport	Age:	41
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):		Instructor Rating(s):	None
Flight Time:	4841 hours (Total, all aircraft), 15 hours (Total, this make and model), 4600 hours (Pilot In Command, all aircraft), 43 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	NORTH AMERICAN	Registration:	N3665F
Model/Series:	SNJ-5 SNJ-5	Engines:	1 Reciprocating
Operator:	BLUE SKY AVIATION	Engine Manufacturer:	P&W
Operating Certificate(s) Held:	None	Engine Model/Series:	R-1340-AN1
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:	LOU, 496 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 6000 ft agl	Wind Speed/Gusts, Direction:	6 knots / , 350°
Temperature:	23°C	Visibility	6 Miles
Precipitation and Obscuration:			
Departure Point:	SELLERSBURG, IN (JVY)	Destination:	

Airport Information

Airport:	CLARK COUNTY (JVY)	Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

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): ALBERT C MICHAELS

Adopted Date: 06/30/1992

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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