



National Transportation Safety Board Aviation Accident Final Report

Location:	BARTLESVILLE, OK	Accident Number:	FTW89DPJ05
Date & Time:	06/02/1989, 1930 CDT	Registration:	N47SV
Aircraft:	Nord (SNCAN) STAMPE SV4C	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

DURING THE LOCAL FLIGHT OF THE EXPERIMENTAL AIRPLANE, A CONNECTING ROD BROKE IN THE ENGINE. THE PILOT WAS ABLE TO MAKE IT BACK TO THE AIRPORT FOR A FORCED LANDING BUT WAS UNABLE TO LAND ON THE RUNWAY DUE TO ANOTHER AIRPLANE THAT TAXIED ONTO THE RUNWAY IN FRONT OF THE APPROACHING AIRPLANE. THE AIRPLANE MADE AN OFF-RUNWAY, HARD LANDING, AND BOTH LANDING GEARS COLLAPSED. THE PLT DID NOT FILE AN ACC REPORT.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: TOTAL FAILURE OF THE ENGINE CONNECTING ROD.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF
Phase of Operation: CRUISE - NORMAL

Findings

1. (C) ENGINE ASSEMBLY,CONNECTING ROD - FAILURE,TOTAL

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

Occurrence #3: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

2. (F) AIRPORT FACILITIES,RUNWAY/LANDING AREA CONDITION - CONGESTED
3. (F) PROCEDURES/DIRECTIVES - NOT FOLLOWED - PILOT OF OTHER AIRCRAFT
4. (F) OBJECT - AIRCRAFT MOVING ON GROUND
5. (F) PLANNED APPROACH - NOT POSSIBLE
6. (F) VISUAL LOOKOUT - INADEQUATE - PILOT OF OTHER AIRCRAFT
7. LANDING GEAR,NOSE GEAR - COLLAPSED
8. (F) MANEUVER - ABRUPT - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Commercial	Age:	42, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	05/26/1988
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	430 hours (Total, all aircraft), 250 hours (Total, this make and model), 350 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Nord (SNCAN)	Registration:	N47SV
Model/Series:	STAMPE SV4C STAMPE SV4	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Experimental	Serial Number:	423
Landing Gear Type:	Tailwheel	Seats:	
Date/Type of Last Inspection:	Annual	Certified Max Gross Wt.:	3750 lbs
Time Since Last Inspection:	20 Hours	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	FRANKLIN
ELT:	Not installed	Engine Model/Series:	6A4165
Registered Owner:	LYONS, STEVEN G.	Rated Power:	145 hp
Operator:	LYONS, STEVEN G	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	TUL, 676 ft msl	Distance from Accident Site:	34 Nautical Miles
Observation Time:	1850 CDT	Direction from Accident Site:	165°
Lowest Cloud Condition:	Scattered / 4000 ft agl	Visibility	15 Miles
Lowest Ceiling:	Broken / 25000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Light and Variable /	Turbulence Type Forecast/Actual:	/
Wind Direction:	90°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	21° C / 18° C
Precipitation and Obscuration:			
Departure Point:	BARTLESVILLE, OK (BVO)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1900 CDT	Type of Airspace:	Airport Advisory Area; Class G

Airport Information

Airport:	FRANK PHILLIPS (BVO)	Runway Surface Type:	Asphalt
Airport Elevation:	716 ft	Runway Surface Condition:	Dry
Runway Used:	17	IFR Approach:	None
Runway Length/Width:	3900 ft / 100 ft	VFR Approach/Landing:	Forced Landing; Straight-in

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:	

Administrative Information

Investigator In Charge (IIC):	KEITH A CHAPMAN	Report Date:	03/29/1991
Additional Participating Persons:			
Publish Date:			
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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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).