



National Transportation Safety Board Aviation Accident Data Summary

Location:	CHANUTE, KS	Accident Number:	CHI92DCQ05
Date & Time:	07/01/1992, 1312 CDT	Registration:	N18VL
Aircraft:	VIRGIL LARSON VARIEZE, LONG EZ	Injuries:	1 Serious
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE ACCIDENT AIRPLANE DEVELOPED A SEVERE VIBRATION DURING CRUISE FLIGHT. THE MAGNITUDE OF THE VIBRATION VARIED WITH THE POWER SETTING. THE PILOT SUSPECTED A BROKEN PROPELLER OR ENGINE MOUNT. HE ELECTED TO LAND IN A PASTURE. DURING THE LANDING ROLL THE AIRPLANE COLLIDED WITH A HIDDEN OBSTRUCTION. A POST ACCIDENT INSPECTION FOUND ALL ENGINE MOUNTS INTACT. THE WOODEN PROPELLER BROKE DURING THE GROUND IMPACT. BOTH FIBER GLASS COVERS FOR THE PROPELLER TIPS WERE RECOVERED. ONLY ONE COVER HAD WOOD ATTACHED TO IT.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
A DELAMINATION AND INFLIGHT SEPARATION OF A PROPELLER BLADE DURING CRUISE FLIGHT.

Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: CRUISE - NORMAL

Findings

1. (C) PROPELLER SYSTEM/ACCESSORIES, BLADE - DELAMINATION

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

Occurrence #3: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: LANDING - ROLL

Findings

2. (F) TERRAIN CONDITION - HIDDEN OBSTRUCTION(S)

Pilot Information

Certificate:	Private	Age:	31
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	120 hours (Total, all aircraft), 15 hours (Total, this make and model), 100 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	VIRGIL LARSON	Registration:	N18VL
Model/Series:	VARIEZE, LONG EZ VARIEZE, LO	Engines:	1 Reciprocating
Operator:	TAD T. HERVAS	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	C-85
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:	CNU, 1002 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 3700 ft agl	Wind Speed/Gusts, Direction:	17 knots / 24 knots, 170°
Temperature:	31° C	Visibility	12 Miles
Precipitation and Obscuration:			
Departure Point:	FT. WORTH, TX (FWS)	Destination:	TOPEKA, KS (TOP)

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	BRUCE E ALLRED	Adopted Date:	08/26/1993
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 pubin@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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