



National Transportation Safety Board Aviation Accident Data Summary

Location:	GENOA, IL	Accident Number:	CHI87FA212
Date & Time:	09/02/1987, 1930 CDT	Registration:	N2295Y
Aircraft:	CESSNA 177	Injuries:	4 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PLT MADE A STRAIGHT-IN APCH TO LAND AT DUSK ON AN UNLIGHTED SOD RWY. HE STATED HE LOWERED 10 DEG OF FLAPS APRX 2 MI FM THE RWY. WHILE ON FINAL APCH, WITH THE POWER SET AT APRX 1800 RPM, THE ACFT BEGAN TO SETTLE. THE PLT SAID HE APPLIED FULL POWER, BUT IT CONTD IN A FLAT DSCNT & TOUCHED DOWN IN SOFT TERRAIN SHORT OF THE RWY. SUBSEQUENTLY, THE NOSE GEAR SHEARED OFF, THE RGT MAIN GEAR COLLAPSED & THE LEFT WING TIP, PROP & FUSELAGE WERE DAMAGED.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: UNDERSHOOT

Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

1. (F) LIGHT CONDITION - DUSK
2. (F) AIRPORT FACILITIES, RUNWAY EDGE LIGHTS - UNAVAILABLE
3. (C) DISTANCE - MISJUDGED - PILOT IN COMMAND
4. (C) ALTITUDE - MISJUDGED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: LANDING

Findings

5. (F) TERRAIN CONDITION - SOFT

Occurrence #3: GEAR COLLAPSED

Phase of Operation: LANDING

Findings

6. LANDING GEAR - OVERLOAD

Pilot Information

Certificate:	Private	Age:	44
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	433 hours (Total, all aircraft), 29 hours (Total, this make and model), 387 hours (Pilot In Command, all aircraft), 22 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N2295Y
Model/Series:	177 177	Engines:	1 Reciprocating
Operator:	JOE VOGEL	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-320-A1A
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Dusk
Observation Facility, Elevation:	RFD, 736 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	7 knots / , 70°
Temperature:	15° C	Visibility	20 Miles
Precipitation and Obscuration:			
Departure Point:	BELVIDERE, IL (C77)	Destination:	(6ILO)

Airport Information

Airport:	RAMME (6ILO)	Runway Surface Type:	Grass/turf
Runway Used:	18	Runway Surface Condition:	Dry
Runway Length/Width:	2300 ft / 50 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC): CARL E DINWIDDIE Adopted Date: 01/25/1989

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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