



National Transportation Safety Board Aviation Accident Data Summary

Location:	FRASER, MI	Accident Number:	CHI83LA159
Date & Time:	04/01/1983, 1345 EST	Registration:	N1517R
Aircraft:	GRUMMAN AA-5B	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE AIRCRAFT STALLED AND UNDERSHOT THE RUNWAY LANDING ABOUT 100 FEET SHORT, WHERE IT COLLIDED WITH A DITCH AND NOSED OVER. THE PILOT AND HIS WIFE ABOARD THE AIRCRAFT WERE NOT INJURED. THE AIRCRAFT LANDED ON RUNWAY 09 AND THE WIND WAS FROM 110 DEGREES AT 15 KTS GUSTING TO 24 KTS.

Probable Cause

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

Findings

Occurrence #1: UNDERSHOOT
Phase of Operation: LANDING

Findings

1. (F) WEATHER CONDITION - GUSTS
2. (F) WEATHER CONDITION - TURBULENCE
3. (C) PROPER TOUCHDOWN POINT - NOT ATTAINED - PILOT IN COMMAND
4. (C) FLARE - IMPROPER - PILOT IN COMMAND
5. (C) STALL/MUSH - NOT CORRECTED - PILOT IN COMMAND

Occurrence #2: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

6. (C) PROPER DESCENT RATE - NOT MAINTAINED - PILOT IN COMMAND

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

Occurrence #4: NOSE OVER
Phase of Operation: LANDING - ROLL

Pilot Information

Certificate:	Private	Age:	30
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):		Instructor Rating(s):	
Flight Time:	89 hours (Total, all aircraft), 15 hours (Total, this make and model), 49 hours (Pilot In Command, all aircraft), 5 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	GRUMMAN	Registration:	N1517R
Model/Series:	AA-5B AA-5B	Engines:	1 Reciprocating
Operator:	LARRY ROHL	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-360-A4K
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:	PET, 625 ft msl	Weather Information Source:	Unknown
Lowest Ceiling:	Broken / 25000 ft agl	Wind Speed/Gusts, Direction:	15 knots / 24 knots, 110°
Temperature:	16°C	Visibility	6 Miles
Precipitation and Obscuration:			
Departure Point:	CLEVELAND, OH (BKL)	Destination:	FRASER, MI (D-13)

Airport Information

Airport:	MCKINLEY (D-13)	Runway Surface Type:	Asphalt
Runway Used:	9	Runway Surface Condition:	Dry
Runway Length/Width:	2910 ft / 50 ft		

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
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	JAMES MICHELANGELO	Adopted 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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