Aviation Investigation Final Report

Location:	SAWYER, North Dakota	**Accident Number:**	DEN86LA003
Date & Time:	October 6, 1985, 10:45 Local	**Registration:**	N26207
Aircraft:	GRUMMAN AA-5A	**Aircraft Damage:**	Substantial
Defining Event:		**Injuries:**	3 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PLT ALLOWED THE AIRSPEED TO DECREASE TO THE EXTENT OF ACTIVATING THE ACFT STALL WARNING SYSTEM ON FINAL APCH AT 100 FT ABOVE THE GROUND AND 200 FT FROM THE END OF THE RWY. HE CORRECTED THE LOW AIRSPEED CONDITION BY LOWERING THE NOSE, RESULTING IN A HIGH RATE OF DESCENT. HE INITIATED AN EXCESSIVE NOSE HIGH LANDING FLARE TO COMPENSATE FOR THE HIGH RATE OF DECENT, CAUSING THE ACFT TO STALL 10-15 FT ABOVE THE RWY. THE PLT CONTINUED THE LANDING WITH NO CORRECTIVE ACTION. THE ACFT IMPACTED THE RWY IN A NOSE LOW ATTITUDE, BOUNCED 50-60 FT INTO THE AIR, CROSSED A DIRT ROAD AND LANDED IN A FLD WHERE IT COLLIDED WITH A LARGE BALE OF HAY.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings
1. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
2. STALL - INADVERTENT - PILOT IN COMMAND

3. (C) REMEDIAL ACTION - IMPROPER - PILOT IN COMMAND
4. (C) PROPER DESCENT RATE - NOT MAINTAINED - PILOT IN COMMAND

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

Findings
5. (C) FLARE - IMPROPER - PILOT IN COMMAND
6. (F) GO-AROUND - NOT PERFORMED - PILOT IN COMMAND

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

Findings
7. DIRECTIONAL CONTROL - NOT POSSIBLE - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Private	**Age:**	27,Male
Airplane Rating(s):	Single-engine land	**Seat Occupied:**	Left
Other Aircraft Rating(s):	None	**Restraint Used:**	
Instrument Rating(s):	None	**Second Pilot Present:**	No
Instructor Rating(s):	None	**Toxicology Performed:**	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	**Last FAA Medical Exam:**	April 26, 1984
Occupational Pilot:	No	**Last Flight Review or Equivalent:**	
Flight Time:	86 hours (Total, all aircraft), 32 hours (Total, this make and model), 51 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	GRUMMAN	**Registration:**	N26207
Model/Series:	AA-5A AA-5A	**Aircraft Category:**	Airplane
Year of Manufacture:		**Amateur Built:**	
Airworthiness Certificate:	Normal	**Serial Number:**	0472
Landing Gear Type:	Tricycle	**Seats:**	4
Date/Type of Last Inspection:	March 15, 1985 100 hour	**Certified Max Gross Wt.:**	2000 lbs
Time Since Last Inspection:	72 Hrs	**Engines:**	1 Reciprocating
Airframe Total Time:	2449 Hrs	**Engine Manufacturer:**	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	**Engine Model/Series:**	O-320-E2G
Registered Owner:	PIETSCH FLYING SERVICE	**Rated Power:**	150 Horsepower
Operator:		**Operating Certificate(s) Held:**	On-demand air taxi (135)
Operator Does Business As:		**Operator Designator Code:**	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	**Condition of Light:**	Day
Observation Facility, Elevation:	MOT ,1715 ft msl	**Distance from Accident Site:**	12 Nautical Miles
Observation Time:	10:51 Local	**Direction from Accident Site:**	330°
Lowest Cloud Condition:	Scattered / 12000 ft AGL	**Visibility**	20 miles
Lowest Ceiling:	None	**Visibility (RVR):**	
Wind Speed/Gusts:	15 knots /	**Turbulence Type Forecast/Actual:**	/
Wind Direction:	330°	**Turbulence Severity Forecast/Actual:**	/
Altimeter Setting:	29 inches Hg	**Temperature/Dew Point:**	7°C / 2°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	MINOT , ND (MOT)	**Type of Flight Plan Filed:**	None
Destination:		**Type of Clearance:**	VFR
Departure Time:	10:30 Local	**Type of Airspace:**	Airport advisory area

Airport Information

Airport:	PIETSCH AIRSTRIP	**Runway Surface Type:**	Grass/turf
Airport Elevation:	1560 ft msl	**Runway Surface Condition:**	Dry
Runway Used:	29	**IFR Approach:**	None
Runway Length/Width:	2800 ft / 75 ft	**VFR Approach/Landing:**	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	**Aircraft Damage:**	Substantial
Passenger Injuries:	2 None	**Aircraft Fire:**	None
Ground Injuries:	N/A	**Aircraft Explosion:**	None
Total Injuries:	3 None	**Latitude, Longitude:**	48.020339,-101.129051(est)

Administrative Information

Investigator In Charge (IIC):	Mangum, Prentiss
Additional Participating Persons:	MICHAEL BEIRIGER; FARGO , ND
Original Publish Date:	
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=16868