



Aviation Investigation Final Report

Location:	RENO, Nevada	Accident Number:	SEA86LA246
Date & Time:	September 14, 1986, 19:15 Local	Registration:	N28987
Aircraft:	GRUMMAN AA5	Aircraft Damage:	Substantial
Defining Event:		Injuries:	3 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PLT HAD BEEN WAITING IN LINE FOR TAKEOFF ON RUNWAY 16 FOR OVER AN HOUR, DUE TO TRAFFIC DEPARTING AIR RACES. WHEN CLEARED TO DEPART, WINDS WERE 300 DEG AT 15 KTS, GUSTING TO 22 KTS. PLT ELECTED TO ATTEMPT TAKEOFF, BECAME MOMENTARILY AIRBORNE WITH STALL WARNING HORN SOUNDING. WHEN PLT LOWERED NOSE OF ACFT TO COMBAT STALL, ACFT LNDG GEAR STRUCK A DIRT MOUND PARALLEL TO RIGHT OF RUNWAY. DENS ALT CALCULATED AT 5000 FT.

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 - ON GROUND/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (C) CLEARANCE TO WRONG RUNWAY - NOT CORRECTED - PILOT IN COMMAND
2. (F) SELF-INDUCED PRESSURE - PILOT IN COMMAND
3. (F) WEATHER CONDITION - TAILWIND
4. (F) WEATHER CONDITION - GUSTS
5. (F) WEATHER CONDITION - HIGH DENSITY ALTITUDE
6. (C) JUDGMENT - POOR - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - INITIAL CLIMB

Factual Information

Pilot Information

Certificate:	Private	Age:	47, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	September 8, 1986
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	264 hours (Total, all aircraft), 19 hours (Total, this make and model), 151 hours (Pilot In Command, all aircraft), 5 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	GRUMMAN	Registration:	N28987
Model/Series:	AA5 AA5	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	AA5B0923
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	December 16, 1985 Annual	Certified Max Gross Wt.:	2400 lbs
Time Since Last Inspection:	26 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	998 Hrs	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-360-A41C
Registered Owner:	SALE REPORTED	Rated Power:	180 Horsepower
Operator:		Operating Certificate(s) Held:	None
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:	RNO ,4412 ft msl	Distance from Accident Site:	
Observation Time:	19:20 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	30 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	15 knots / 22 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	11°C / -2°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	RENO , NV (RNO)	Type of Flight Plan Filed:	None
Destination:	TORRANCE , CA (TOA)	Type of Clearance:	None
Departure Time:	19:15 Local	Type of Airspace:	Class D

Airport Information

Airport:	RENO RNO	Runway Surface Type:	Asphalt
Airport Elevation:	4412 ft msl	Runway Surface Condition:	Dry
Runway Used:	16	IFR Approach:	None
Runway Length/Width:	9000 ft / 150 ft	VFR Approach/Landing:	None

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:	

Administrative Information

Investigator In Charge (IIC):	Carrera, Candace
Additional Participating Persons:	PAUL HINMAN; RENO , NV
Original Publish Date:	March 10, 1988
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=40501

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