



Aviation Investigation Final Report

Location:	WINDSOR, New York	Accident Number:	BF093LA105
Date & Time:	July 4, 1993, 09:15 Local	Registration:	N10JA
Aircraft:	ADOLFSON STARDUSTER SA300	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal, 1 Serious
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE AIRPLANE WAS FUELED WITH AUTOMOTIVE GASOLINE AND FLOWN WITH NO REPORTED PROBLEMS TWO DAYS PRIOR TO THE ACCIDENT. ON THE DAY OF THE ACCIDENT, THE AIRPLANE WAS WASHED AND PREFLIGHTED. THE PILOT STARTED THE ENGINE AND TAXIED TO THE END OF THE GRASS STRIP. AFTER TAKEOFF AT ABOUT 200 FEET ABOVE THE GROUND, THE ENGINE 'STOPPED DEAD.' THE AIRPLANE WAS OBSERVED TO VEER TO THE RIGHT AND ENTER A 'NOSE DIVE'. ACCORDING TO THE PILOT, THE AIRPLANE 'PROBABLY STALLED'. THE AIRPLANE IMPACTED A DRIVEWAY IN A RESIDENTIAL AREA. AN EXAMINATION OF THE ENGINE AND AIRFRAME DID NOT REVEAL ANY MECHANICAL MALFUNCTIONS.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: LOSS OF ENGINE POWER DURING INITIAL CLIMBOUT DUE TO UNDETERMINED REASONS. A FACTOR RELATED TO THE ACCIDENT WAS THE PILOT'S FAILURE TO MAINTAIN ADEQUATE AIRSPEED FOLLOWING THE LOSS OF ENGINE POWER, LEADING TO AN AERODYNAMIC STALL.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: DESCENT - EMERGENCY

Findings

2. (F) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND

3. STALL - INADVERTENT - PILOT IN COMMAND

Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

4. TERRAIN CONDITION - RESIDENTIAL AREA

Factual Information

Pilot Information

Certificate:	Private	Age:	61, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Rear
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-w/ waivers/lim	Last FAA Medical Exam:	May 29, 1992
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	535 hours (Total, all aircraft), 32 hours (Total, this make and model), 5 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	ADOLFSON	Registration:	N10JA
Model/Series:	STARDUSTER SA300 STARDUSTER	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	August 19, 1992 Annual	Certified Max Gross Wt.:	
Time Since Last Inspection:	1 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	364 Hrs	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-320-E2D
Registered Owner:	RAYMOND L. OSTERHOUT	Rated Power:	150 Horsepower
Operator:	RAYMOND L. OSTERHOUT	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:	BGM ,1636 ft msl	Distance from Accident Site:	10 Nautical Miles
Observation Time:	09:43 Local	Direction from Accident Site:	300°
Lowest Cloud Condition:	Clear	Visibility	7 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	290°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	21°C / 17°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	09:15 Local	Type of Airspace:	Class G

Airport Information

Airport:	PRIVATE	Runway Surface Type:	Grass/turf
Airport Elevation:		Runway Surface Condition:	Dry
Runway Used:	22	IFR Approach:	
Runway Length/Width:	1600 ft / 60 ft	VFR Approach/Landing:	

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Destroyed
Passenger Injuries:	1 Fatal	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Fatal, 1 Serious	Latitude, Longitude:	42.070182,-75.640754(est)

Administrative Information

Investigator In Charge (IIC):	Guzzetti, Jeffrey
Additional Participating Persons:	PEDRO L MUNOZ; ROCHESTER , NY GEORGE DUNN; ROCHESTER , NY
Original Publish Date:	September 26, 1994
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=8780

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