



Aviation Investigation Final Report

Location:	WINNETT, Montana	Accident Number:	DEN89LA049
Date & Time:	December 23, 1988, 13:00 Local	Registration:	N5570H
Aircraft:	PIPER PA-11	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT WAS TAKING OFF FROM A FARM STRIP WITH A 10 KT HEAD WIND. THE PLT SAID THE SUN WAS SHINING AT THE TIME OF THE ACDT BUT THERE HAD BEEN SNOW SHOWERS IN THE AREA. HE SAID THE LIFTOFF WAS NORMAL BUT AT ABOUT 15 TO 18 FT AGL THE ACFT STALLED AND CRASHED. AFTER THE ACDT THE PLT FOUND A THIN LAYER OF ICE ON THE WINGS. HE SAID THE SUN PROBABLY MELTED SNOW ON THE WINGS, WHILE THE ACFT WAS PARKED, WHICH THEN FROZE DURING THE TAKEOFF. THE TEMP AT THE TIME OF THE ACDT WAS ESTIMATED TO BE 20-25 DEG F. THE PLT REPORTED HE HAD FLOWN 10 HRS IN THE PRECEDING 24.

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: TAKEOFF - INITIAL CLIMB

Findings

1. (F) WING - ICE
2. (C) AIRCRAFT PREFLIGHT - INADEQUATE - PILOT IN COMMAND
3. (C) STALL - INADVERTENT - PILOT IN COMMAND
4. (F) FATIGUE(FLIGHT SCHEDULE) - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

Pilot Information

Certificate:	Private	Age:	28, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Front
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:	November 10, 1987
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	246 hours (Total, all aircraft), 175 hours (Total, this make and model), 204 hours (Pilot In Command, all aircraft), 150 hours (Last 90 days, all aircraft), 75 hours (Last 30 days, all aircraft), 10 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N5570H
Model/Series:	PA-11 PA-11	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	11-1092
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	August 23, 1988 Annual	Certified Max Gross Wt.:	1220 lbs
Time Since Last Inspection:	174 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3825 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	C-90-8F
Registered Owner:	LEMMON, DARRELL & ROBIN	Rated Power:	90 Horsepower
Operator:	LEMMON, DARRELL C.	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:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Unknown	Visibility	3 miles
Lowest Ceiling:	Overcast / 1500 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	200°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	-4°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(NONE)	Type of Flight Plan Filed:	None
Destination:	RYEGATE , MT (NONE)	Type of Clearance:	None
Departure Time:	13:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	FARM STRIP NONE	Runway Surface Type:	Dirt
Airport Elevation:	3300 ft msl	Runway Surface Condition:	Snow
Runway Used:	22	IFR Approach:	None
Runway Length/Width:	3000 ft / 50 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	47.109333,-108.219871(est)

Administrative Information

Investigator In Charge (IIC):	Johnson, Robert
Additional Participating Persons:	M MORRISON; HELENA , MT
Original Publish Date:	December 3, 1989
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=17653

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