



Aviation Investigation Final Report

Location:	PAULDING, Ohio	Accident Number:	NYC91LA151
Date & Time:	June 7, 1991, 11:30 Local	Registration:	N516L
Aircraft:	Aerofab Inc. 4/210	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT SAID THE ENGINE OIL PRESSURE DROPPED TO ZERO, WHICH RESULTED IN A LOSS OF ENGINE POWER AND SUBSEQUENT FORCED LANDING. DURING THE FORCED LANDING THE RIGHT WING STRUCK WIRES CAUSING THE AIRPLANE TO IMPACT THE GROUND SHORT OF THE INTENDED LANDING FIELD. EXAMINATION OF THE WRECKAGE REVEALED THE ENGINE OIL LEAKED FROM THE AREA OF THE OIL FILTER UNTIL THE ENGINE WAS DEPLETED OF OIL. THE PILOT STATED HE HAD CHANGED THE ENGINE OIL A DAY PRIOR TO THE FLIGHT AND DID NOT TEST RUN THE ENGINE TO CHECK FOR OIL LEAKS.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE IMPROPER INSTALLATION OF THE OIL FILTER BY THE PILOT WHICH RESULTED IN A LEAK AND SUBSEQUENT OIL EXHAUSTION.

Findings

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

Findings

1. (C) LUBRICATING SYSTEM,OIL FILTER/SCREEN - LEAK
2. (C) FLUID,OIL - EXHAUSTION
3. (C) MAINTENANCE,INSTALLATION - IMPROPER - PILOT IN COMMAND
4. COMPLACENCY - PILOT IN COMMAND

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Findings

5. OBJECT - WIRE, TRANSMISSION

Factual Information

Pilot Information

Certificate:	Private	Age:	60, Male
Airplane Rating(s):	Single-engine land; Single-engine sea	Seat Occupied:	Unknown
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:	July 3, 1990
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	1400 hours (Total, all aircraft), 40 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Aerofab Inc.	Registration:	N516L
Model/Series:	4/210 4/210	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:		Serial Number:	538
Landing Gear Type:	Amphibian	Seats:	4
Date/Type of Last Inspection:	January 2, 2000 Unknown	Certified Max Gross Wt.:	2600 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:	Installed, activated	Engine Model/Series:	IO-360-A1B6
Registered Owner:	HERBERT J. BEIL	Rated Power:	200 Horsepower
Operator:	HERBERT J. BEIL	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:	Clear	Visibility	
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:	360°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	27°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	DELPHOS , OH (091)	Type of Flight Plan Filed:	VFR
Destination:	GAYLORD , MI (GLR)	Type of Clearance:	VFR
Departure Time:	11:00 Local	Type of Airspace:	

Airport Information

Airport:	PAULDING OH28	Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Forced landing

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:	

Administrative Information

Investigator In Charge (IIC):	Yurman, Alan
Additional Participating Persons:	DON CLAY; COLUMBUS , OH
Original Publish Date:	May 7, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=36939

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