

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: NYC02LA038		Aircraft Registration Number: N90688	
		Occurrence Date: 10/30/2001		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Wilmington		State DE	Zip Code 19801	Local Time 1635	Time Zone EDT
Airport Proximity: On Airport		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Aero Vodochody Aero. Works		Model/Series L-39C		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On October 30, 2001, at 1635 eastern standard time, an Aero Vodochody L-39C, N90688, was substantially damaged when it caught fire while taxiing at New Castle County Airport (ILG), Wilmington, Delaware. The certificated private pilot was not injured. Visual meteorological conditions prevailed at the time of the accident. A visual flight rules flight plan was on file for the flight, to Canandaigua Airport (D38), Canandaigua, New York. The personal flight was to be conducted under 14 CFR Part 91.</p> <p>The pilot reported that he flew to Wilmington earlier in the day to have the airplane's brakes checked. After the inspection, he prepared for departure, and had the airplane turned into the wind. The start sequence was normal, and afterwards, he began to taxi the airplane to the active runway. According to the pilot:</p> <p>"As I was taxiing, I received a light indicating electrical failure and RAT displayed. I also noticed smoke coming from the right side of the aircraft. The control tower then radioed and asked if the plane was all right because they saw smoke as well. As I answered, total electrical failure occurred. At this point, I hit fuel cutoff, shut down the engine, and engaged the emergency fire suppression system and exited the aircraft."</p> <p>According to the maintenance technician who inspected the airplane after the fire, an oil line from the auxiliary power unit (APU) had ruptured, and sprayed oil onto the APU's exhaust pipe.</p>					
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Landing Facility/Approach Information						
Airport Name New Castle County		Airport ID: ILG	Airport Elevation 79 Ft. MSL	Runway Used	Runway Length	Runway Width
Runway Surface Type: Unknown						
Runway Surface Condition: Unknown						
Type Instrument Approach: Unknown						
VFR Approach/Landing: Unknown						
Aircraft Information						
Aircraft Manufacturer Aero Vodochody Aero. Works		Model/Series L-39C		Serial Number 430424		
Airworthiness Certificate(s): Experimental (Special)						
Landing Gear Type: Retractable - Tricycle						
Homebuilt Aircraft? No		Number of Seats: 2		Certified Max Gross Wt. LBS		Number of Engines: 1
Engine Type: Turbo Jet		Engine Manufacturer: Ivchenko		Model/Series: AI-25		Rated Power: 3800 LBS
- Aircraft Inspection Information						
Type of Last Inspection AAIP		Date of Last Inspection 04/25/2001		Time Since Last Inspection 52.7 Hours		Airframe Total Time 2675.2 Hours
- Emergency Locator Transmitter (ELT) Information						
ELT Installed? Yes		ELT Operated? No		ELT Aided in Locating Accident Site? No		
Owner/Operator Information						
Registered Aircraft Owner DeWight Cartwright		Street Address				
		City Pittsford		State NY	Zip Code 14534	
Operator of Aircraft Same as Reg'd Aircraft Owner		Street Address Same as Reg'd Aircraft Owner				
		City		State	Zip Code	
Operator Does Business As:				Operator Designator Code:		
- Type of U.S. Certificate(s) Held: None						
Air Carrier Operating Certificate(s):						
Operating Certificate:			Operator Certificate:			
Regulation Flight Conducted Under: Part 91: General Aviation						
Type of Flight Operation Conducted: Personal						
FACTUAL REPORT - AVIATION						

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	Occurrence Type: Accident

First Pilot Information

Name On File	City On File	State On File	Date of Birth	Age 48
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Sex: M	Seat Occupied: Front	Principal Profession: Unknown	Certificate Number: On File
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Certificate(s): Private

Airplane Rating(s): Single-engine Land

Rotorcraft/Glider/LTA: None

Instrument Rating(s): Airplane

Instructor Rating(s): None

Type Rating/Endorsement for Accident/Incident Aircraft? Yes	Current Biennial Flight Review? 07/23/2001
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Medical Cert.: Class 3	Medical Cert. Status: Valid Medical--no waivers/lim.	Date of Last Medical Exam: 12/04/2000
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- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	2079	60								
Pilot In Command(PIC)										
Instructor										
Last 90 Days	23									
Last 30 Days	13									
Last 24 Hours	1									

Seatbelt Used? Yes	Shoulder Harness Used? Yes	Toxicology Performed? No	Second Pilot? No
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Flight Plan/Itinerary

Type of Flight Plan Filed: VFR

Departure Point Same as Accident/Incident Location	State	Airport Identifier ILG	Departure Time	Time Zone MST
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Destination Canadaigua	State NY	Airport Identifier D38	
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Type of Clearance: None

Type of Airspace: Class D

Weather Information

Source of Briefing: Flight Service Station

Method of Briefing: Unknown

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Weather Information

WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
ILG	1651	EST	79 Ft. MSL	NM	Deg. Mag.

Sky/Lowest Cloud Condition: Clear Ft. AGL Condition of Light: Day

Lowest Ceiling: Ft. AGL Visibility: 10 SM Altimeter: 30.45 "Hg

Temperature: 14 °C Dew Point: 3 °C Wind Direction: 340 Density Altitude: Ft.

Wind Speed: 5 Gusts: Weather Conditions at Accident Site: Visual Conditions

Visibility (RVR): Ft. Visibility (RVV) SM Intensity of Precipitation:

Restrictions to Visibility: None

Type of Precipitation: None

Accident Information

Aircraft Damage: Aircraft Fire: Aircraft Explosion

Classification:

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				1	1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -				1	1
Other Ground					
- GRAND TOTAL -				1	1

National Transportation Safety Board

FACTUAL REPORT

AVIATION



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Occurrence Date: 10/30/2001

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

Paul Cox

Additional Persons Participating in This Accident/Incident Investigation:

Jim Moll
FAA/FSDO
Philadelphia, PA