

 National Transportation Safety Board FACTUAL REPORT AVIATION SAFETY BOARD		NTSB ID: BFO94LA026		Aircraft Registration Number: N41826	
		Occurrence Date: 01/16/1994		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place MIDDLETOWN		State OH	Zip Code 45042	Local Time 1215	Time Zone EST
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer BELLANCA		Model/Series 8KCAB		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 Sunday, January 16, 1994, at 1215 eastern standard time, a Bellanca 8KCAB, N41826, collided with the ground while on final approach during a power-off forced landing at Middletown, Ohio. The certificated airline transport pilot, the sole occupant was not injured, while the airplane sustained substantial damage. The personal flight was being operated under 14 CFR 91, and originated in Moraine, Ohio. Visual meteorological conditions prevailed at the time and a flight plan was not filed.</p> <p>According to the pilot, during cruise flight at 2000 feet MSL he noticed both the oil temperature and oil pressure gages were indicating zero. He stated that he looked out of the airplane to see if there was any evidence of oil, but there was none. The pilot stated that he decided to return to the airport and not land sooner as he thought it "appeared to be only an indication problem. Within approximately 2 minutes engine rpm started decreasing slowly then engine started shaking violently. At that time I pulled mixture and picked the only field I thought I could make...The field was short with trees at both ends and plowed north/south. I attempted landing south but due to the shortness of the field I could not stop without hitting trees."</p> <p>The engine was removed to Moraine Aircraft in Moraine, Ohio, for further examination. The examination included removing the oil sump and accessory case. When the oil sump was removed and the oil was drained out of the oil hoses, there was evidence of water in the oil. The interior of the sump contained pieces of bearing material. The connecting rod on the number one cylinder separated at the large end resulting in the piston being jammed in the cylinder. When the accessory case was removed there was evidence of aluminum melting in the area of the bearing around the oil pump. According to the FAA aviation safety inspector, there was starvation of oil in the engine.</p>					
FACTUAL REPORT - AVIATION					

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: BFO94LA026			
		Occurrence Date: 01/16/1994			
		Occurrence Type: Accident			
Landing Facility/Approach Information					
Airport Name	Airport ID:	Airport Elevation 900 Ft. MSL	Runway Used 0	Runway Length	Runway Width
Runway Surface Type:					
Runway Surface Condition:					
Type Instrument Approach:					
VFR Approach/Landing: Forced Landing					
Aircraft Information					
Aircraft Manufacturer BELLANCA		Model/Series 8KCAB		Serial Number 122-74	
Airworthiness Certificate(s): Acrobatic					
Landing Gear Type: Tailwheel					
Homebuilt Aircraft? No	Number of Seats: 4	Certified Max Gross Wt. 1800 LBS	Number of Engines: 1		
Engine Type: Reciprocating	Engine Manufacturer: LYCOMING	Model/Series: IO-320-E1A	Rated Power: 150 HP		
- Aircraft Inspection Information					
Type of Last Inspection Annual	Date of Last Inspection 03/1993	Time Since Last Inspection 15 Hours	Airframe Total Time 1032 Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? Yes	ELT Operated? No	ELT Aided in Locating Accident Site?			
Owner/Operator Information					
Registered Aircraft Owner A & H FLYING INC.		Street Address 10549 READING ROAD			
		City CINCINNATI	State OH	Zip Code 45241	
Operator of Aircraft Same as Reg'd Aircraft Owner		Street Address Same as Reg'd Aircraft Owner			
		City CINCINNATI	State OH	Zip Code 45241	
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					

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: BFO94LA026
	Occurrence Date: 01/16/1994
	Occurrence Type: Accident

First Pilot Information

Name On File	City On File	State On File	Date of Birth On File	Age 42
-----------------	-----------------	------------------	--------------------------	-----------

Sex: M	Seat Occupied: Front	Principal Profession: Unknown	Certificate Number: On File
--------	----------------------	-------------------------------	-----------------------------

Certificate(s): Airline Transport; Flight Instructor; Commercial

Airplane Rating(s): Multi-engine Land; Single-engine Land; Single-engine Sea

Rotorcraft/Glider/LTA: Glider

Instrument Rating(s): Airplane

Instructor Rating(s): Airplane Single-engine; Instrument Airplane

Type Rating/Endorsement for Accident/Incident Aircraft? No	Current Biennial Flight Review?
--	---------------------------------

Medical Cert.: Class 1	Medical Cert. Status: Valid Medical--no waivers/lim.	Date of Last Medical Exam: 01/1994
------------------------	--	------------------------------------

- 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	9110	500	3700	5400	1200	900	65		10	
Pilot In Command(PIC)	8338									
Instructor	1100	100	1100							
Last 90 Days	12									
Last 30 Days	10									
Last 24 Hours	1									

Seatbelt Used? Yes	Shoulder Harness Used? Yes	Toxicology Performed?	Second Pilot? No
--------------------	----------------------------	-----------------------	------------------

Flight Plan/Itinerary

Type of Flight Plan Filed: None

Departure Point MORAINE	State OH	Airport Identifier I73	Departure Time 1200	Time Zone EST
----------------------------	-------------	---------------------------	------------------------	------------------

Destination Local Flight	State	Airport Identifier I73	
-----------------------------	-------	---------------------------	--


Type of Clearance: None

Type of Airspace: Class G

Weather Information

Source of Briefing:

Method of Briefing:

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: BFO94LA026
	Occurrence Date: 01/16/1994
	Occurrence Type: Accident

Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
	1400		0 Ft. MSL	0 NM	0 Deg. Mag.
Sky/Lowest Cloud Condition: Unknown			10000 Ft. AGL	Condition of Light: Day	
Lowest Ceiling: Overcast		10000 Ft. AGL	Visibility: 20 SM	Altimeter: 29.00	"Hg
Temperature: -14 °C	Dew Point: °C	Wind Direction: 160		Density Altitude: Ft.	
Wind Speed: 7	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): 0 Ft.	Visibility (RVV) 0 SM	Intensity of Precipitation: Unknown			
Restrictions to Visibility: None					
Type of Precipitation: None					

Accident Information		
Aircraft Damage: Substantial	Aircraft Fire: None	Aircraft Explosion: None

Classification: U.S. Registered/U.S. Soil					
- 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	0	0	0		0
- GRAND TOTAL -	0	0	0	1	1

National Transportation Safety Board

FACTUAL REPORT

AVIATION



NTSB ID: BFO94LA026

Occurrence Date: 01/16/1994

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

BEVERLEY JOHNSON,

Additional Persons Participating in This Accident/Incident Investigation:

STANLEY FASKE
FAA FLIGHT STANDS DIST OFFICE
CINCINNATI, OH