



National Transportation Safety Board Aviation Accident Final Report

Location:	WEST CHICAGO, IL	Accident Number:	CHI87FA009
Date & Time:	10/23/1986, 0851 CDT	Registration:	N241FW
Aircraft:	CESSNA 441	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal

Flight Conducted Under: Part 91: General Aviation - Ferry

Analysis

THE PLT (A PART TIME EMPLOYEE OF THE OWNER) WAS FERRYING THE ACFT FOR MAINTENANCE. WITNESSES, WHO SAW THE PLT BFR TAKE- OFF, NOTED THAT HIS SPEECH WAS SLURRED & THAT HE SEEMED ANGRY BECAUSE A TUG WOULD NOT START. ONE WITNESS CHARACTERIZED HIM AS BEING 'VERY MAD' & SAID HIS FACE WAS 'FLUSHED RED.' THE ACFT WAS OBSERVED TO TAKEOFF IN A HI NOSE-UP ATTITUDE & CLIMB ABOUT 500 TO 1000 FT BFR TURNING TO THE SW & LEVELING. SUBSEQUENTLY, THE PLANE TURNED BACK TOWARD THE ARPT, THEN IT CRASHED & BURNED APRX 1-1/2 MI SSW OF THE ARPT WHILE ON A HDG OF NE. IMPACT OCCURRED WHILE THE ACFT WAS DSCNDG IN A SLIGHTLY LEFT WING LOW ATTITUDE. THE WRECKAGE WAS SCATTERED OVER AN AREA THAT WAS APRX 600 FT LONG & ABOUT 45 FT WIDE AT THE WIDEST POINT. ACCORDING TO WITNESSES, THE ENGS WERE OPERATING NORMALLY WHEN THE ACFT CRASHED. NO PREIMPACT MECHANICAL PROBLEM WAS FND. A TOXICOLOGY CHECK OF THE PLT'S LIVER TISSUE FLUID SHOWED AN ALCOHOL LVL OF 0.226%.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) JUDGMENT - POOR - PILOT IN COMMAND
2. (C) IMPAIRMENT(ALCOHOL) - PILOT IN COMMAND
3. IFR PROCEDURE - INITIATED
4. (F) WEATHER CONDITION - LOW CEILING
5. (F) WEATHER CONDITION - FOG
6. CLIMB - DELAYED
7. (C) ALTITUDE - NOT MAINTAINED - PILOT IN COMMAND
8. (C) DESCENT - NOT CORRECTED - PILOT IN COMMAND
9. (F) PSYCHOLOGICAL CONDITION - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Airline Transport	Age:	41, Male
Airplane Rating(s):	Multi-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine	Toxicology Performed:	Yes
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	06/02/1986
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	10200 hours (Total, all aircraft), 9790 hours (Pilot In Command, all aircraft), 5 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N241FW
Model/Series:	441 441	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	441-0241
Landing Gear Type:	Retractable - Tricycle	Seats:	10
Date/Type of Last Inspection:	Annual	Certified Max Gross Wt.:	9850 lbs
Time Since Last Inspection:	108 Hours	Engines:	2 Turbo Prop
Airframe Total Time:	1615 Hours	Engine Manufacturer:	AIRESEARCH
ELT:	Installed, not activated	Engine Model/Series:	TPE 331-8-403
Registered Owner:	OSG TAP & DIES INC.	Rated Power:	635 hp
Operator:	OSG TAP & DIES INC.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Day
Observation Facility, Elevation:	DPA, 0 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	0750 CST	Direction from Accident Site:	40°
Lowest Cloud Condition:	Unknown / 1600 ft agl	Visibility	2 Miles
Lowest Ceiling:	Broken / 1600 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	230°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	14° C / 12° C
Precipitation and Obscuration:			
Departure Point:	(DPA)	Type of Flight Plan Filed:	IFR
Destination:	CLEVELAND, OH (CGF)	Type of Clearance:	IFR
Departure Time:	0849 CST	Type of Airspace:	

Airport Information

Airport:	DUPAGE (DPA)	Runway Surface Type:	Asphalt
Airport Elevation:	757 ft	Runway Surface Condition:	
Runway Used:	28	IFR Approach:	None
Runway Length/Width:	4000 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	On-Ground
Total Injuries:	1 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	WILLIAM C BRUCE	Report Date:	
Additional Participating Persons:	T SPATH; WICHITA, KS P BAKER; PHOENIX, AZ		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).