



National Transportation Safety Board Aviation Accident Final Report

Location:	AKRON, OH	Accident Number:	NYC92LA037
Date & Time:	11/28/1991, 1434 EST	Registration:	N450GA
Aircraft:	CONVAIR CV-240	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	2 Minor

Flight Conducted Under: Part 91: General Aviation - Ferry

Analysis

SHORTLY AFTER DEPARTURE THE AIRPLANE WAS SEEN CLIMBING TO AN ALTITUDE OF ABOUT 200 FEET AGL. WITNESSES SAW SMOKE COMING FROM ONE OF THE ENGINES AND HERD A 'POPPING NOISE.' THE PILOT EXECUTED A FORCED LAANDING IN A FIELD. THE AIRPLANE STRUCK ELECTRICAL WIRES AND FENCE THEN BURST INTO FLAMES. THE AIRPLANE HAD REFUELED JUST PRIOR TO TAKE OFF, AND THE FUEL RECEIPT SHOWE THAT 300 GALLONS OF JET (A) FUEL WAS PUT INTO THE TANKS. THE NORMAL FUEL USED IN THE AIRPLANE WAS 100 LL.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE USE OF AN IMPROPER GRADE OF FUEL, WHICH WAS APPROVED BY THE CAPTAIN AND RESULTED IN A LOSS OF ENGINE POWER DUIRNG CLIMBOUT AND AN IN FLIGHT COLLISION WITH TERRAIN.

Findings

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

Findings

1. (C) FLUID,FUEL - IMPROPER
2. (C) LOADING OF CARGO - IMPROPER - OTHER MAINTENANCE PERSONNEL
3. (C) SUPERVISION - INATTENTIVE - PILOT IN COMMAND

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

Occurrence #3: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: LANDING

Findings

4. OBJECT - WIRE,STATIC
5. OBJECT - FENCE

Factual Information

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	47, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	Helicopter	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane; Helicopter	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Single-engine; Helicopter; Instrument Airplane	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last Medical Exam:	05/31/1991
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CONVAIR	Registration:	N450GA
Model/Series:	CV-240 CV-240	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Transport	Serial Number:	53-3537
Landing Gear Type:	Retractable - Tricycle	Seats:	3
Date/Type of Last Inspection:	11/15/1991, Continuous Airworthiness	Certified Max Gross Wt.:	41790 lbs
Time Since Last Inspection:	13 Hours	Engines:	2 Reciprocating
Airframe Total Time:	18528 Hours	Engine Manufacturer:	P&W
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	R-2800-CB3
Registered Owner:	AIRCRAFT LEASING INC.	Rated Power:	2400 hp
Operator:	RHOADES AVIATION INC.	Air Carrier Operating Certificate:	Flag carrier (121); Supplemental
Operator Does Business As:		Operator Designator Code:	JRAA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	CAK, 1228 ft msl	Observation Time:	1435 EST
Distance from Accident Site:	1 Nautical Miles	Direction from Accident Site:	10°
Lowest Cloud Condition:	Scattered / 1000 ft agl	Temperature/Dew Point:	6° C / 4° C
Lowest Ceiling:	Overcast / 3000 ft agl	Visibility	6 Miles
Wind Speed/Gusts, Direction:	11 knots, 210°	Visibility (RVR):	0 ft
Altimeter Setting:	30 inches Hg	Visibility (RVV):	0 Miles
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	IFR
Destination:	COLUMBUS, OH (BAK)	Type of Clearance:	IFR
Departure Time:	1433 EST	Type of Airspace:	Class E

Airport Information

Airport:	AKRON-CANTON REG. (CAK)	Runway Surface Type:	Asphalt
Airport Elevation:	1228 ft	Runway Surface Condition:	Dry
Runway Used:	19	IFR Approach:	None
Runway Length/Width:	6397 ft / 150 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	2 Minor	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Minor	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	Alan J Yurman	Adopted Date:	04/23/1993
Additional Participating Persons:	STEVE CHENAULT; CLEVELAND, OH		
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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