



National Transportation Safety Board Aviation Incident Data Summary

Location:	DETROIT, MI	Incident Number:	CHI82IA112
Date & Time:	04/02/1982, 0800 EST	Registration:	N23BX
Aircraft:	ROCKWELL SABRELINER 65	Injuries:	8 None
Flight Conducted Under:	Part 91: General Aviation - Executive/Corporate		

Analysis

THE RIGHT ENGINE WAS STARTED AS THE PASSENGERS COMPLETED BOARDING. AFTER THE COPILOT SECURED THE CABIN DOOR AND TOOK HIS SEAT, THE PILOT RELEASED THE PARKING BRAKE AND CONTROL LOCK AND APPLIED POWER TO TAXI. WHEN A TURN WAS COMMANDED THE NOSEWHEEL STEERING DID NOT RESPOND AND THE PILOT APPLIED NORMAL AND EMERGENCY BRAKING WITHOUT EFFECT ON THE AIRCRAFTS MOVEMENT. THE PILOT THEN ORDERED THE RIGHT ENGINE SHUT DOWN. THE AIRCRAFT CONTINUED TO ROLL ACROSS THE RAMP UNTIL IT COLLIDED WITH A PARKED AIRCRAFT. THE OPERATOR HAD EXPERIENCED SIMILAR FAILURES DURING THE 6 MONTHS PRIOR TO THIS INCIDENT. HOWEVER, ALL EFFORTS TO DUPLICATE AND ISOLATE THE PROBLEMS HAD BEEN UNSUCCESSFUL. DURING POST INCIDENT REPAIRS, NUMEROUS LANDING GEAR SYSTEM COMPONENTS WERE REPLACED AND THE PROBLEM HAS NOT SURFACED AGAIN. NO REASON FOR THE ORIGINAL FAILURES WAS DETERMINED.

Probable Cause

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

Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: TAXI - TO TAKEOFF

Findings

1. (C) LANDING GEAR,NORMAL BRAKE SYSTEM - FAILURE,TOTAL
 2. (C) LANDING GEAR,EMERGENCY BRAKE SYSTEM - FAILURE,TOTAL
 3. (C) LANDING GEAR,STEERING SYSTEM - FAILURE,TOTAL
 4. REASON FOR OCCURRENCE UNDETERMINED
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Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: TAXI - TO TAKEOFF

Findings

5. (C) OBJECT - AIRCRAFT PARKED/STANDING

Pilot Information

Certificate:	Airline Transport	Age:	53
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):		Instructor Rating(s):	None
Flight Time:	8800 hours (Total, all aircraft), 1200 hours (Total, this make and model), 140 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	ROCKWELL	Registration:	N23BX
Model/Series:	SABRELINER 65 SABRELINER	Engines:	2 Turbo Fan
Operator:	BENDIX, INC.	Engine Manufacturer:	AIRESEARCH
Operating Certificate(s) Held:		Engine Model/Series:	TFE731
Flight Conducted Under:	Part 91: General Aviation - Executive/Corporate		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Unknown
Lowest Ceiling:	Unknown / 0 ft agl	Wind Speed/Gusts, Direction:	15 knots / , 110°
Temperature:		Visibility	15 Miles
Precipitation and Obscuration:			
Departure Point:	DETROIT, MI (DTW)	Destination:	BALTIMORE, MD (C)

Airport Information

Airport:	DETROIT METRO (DTW)	Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Minor
Passenger Injuries:	6 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):

Adopted Date: 04/02/1983

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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