



National Transportation Safety Board Aviation Incident Data Summary

Location:	APPLETON, WI	Incident Number:	CHI82IA331
Date & Time:	09/01/1982, 1903 CDT	Registration:	N261S
Aircraft:	SWEARINGEN SA-226TC	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation -		

Analysis

THE RIGHT MAIN GEAR "IN TRANSIT" LIGHT REMAINED ON AFTER GEAR RETRACTION ON A TRAINING FLIGHT. VARIOUS METHODS OF REMEDIAL ACTION DID NOT CURE THE PROBLEM. A LANDING ON RUNWAY 21 WAS EXECUTED WITH THE NOSE AND LEFT MAIN GEAR IN THE DOWN POSITION. THE RIGHT GEAR REMAINED IN TRANSIT. DIRECTIONAL CONTROL WAS MAINTAINED NEARLY THROUGHOUT THE LANDING ROLL. PRIOR TO THIS FLIGHT, COMPANY MAINTENANCE PERSONNEL HAD INSPECTED THE GEAR IN COMPLIANCE WITH A TELEGRAPHIC MESSAGE FROM THE MANUFACTURER. THE INSPECTION WAS INITIATED BY ONE MAINTENANCE SHIFT AND COMPLETED BY ANOTHER. INSUFFICIENT INFORMATION WAS PASSED BETWEEN THE SHIFTS TO ENSURE THAT GEAR DOOR WAS PROPERLY RE-RIGGED. DURING GEAR EXTENSION, THE DOOR JAMMED PREVENTING COMPLETE EXTENSION OF THE GEAR.

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: TAKEOFF - INITIAL CLIMB

Findings

1. (C) DOOR, LANDING GEAR - MOVEMENT RESTRICTED
2. (C) MAINTENANCE, ADJUSTMENT - IMPROPER - COMPANY MAINTENANCE PERSONNEL
3. (C) LANDING GEAR, NORMAL RETRACTION/EXTENSION ASSEMBLY - JAMMED
4. (C) LANDING GEAR, MAIN GEAR - JAMMED

Occurrence #2: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

5. DIRECTIONAL CONTROL - NOT POSSIBLE - PILOT IN COMMAND
6. GROUND LOOP/SWERVE - UNCONTROLLED - PILOT IN COMMAND

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	37
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):		Instructor Rating(s):	Airplane Multi-engine
Flight Time:	7214 hours (Total, all aircraft), 1357 hours (Total, this make and model), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	SWEARINGEN	Registration:	N261S
Model/Series:	SA-226TC SA-226TC	Engines:	2 Turbo Prop
Operator:	AIR WISCONSIN	Engine Manufacturer:	AIRESEARCH
Operating Certificate(s) Held:	Commuter Air Carrier (135)	Engine Model/Series:	TPE-331
Flight Conducted Under:	Part 91: General Aviation -		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	ATW, 0 ft msl	Weather Information Source:	Unknown
Lowest Ceiling:	Unknown / 0 ft agl	Wind Speed/Gusts, Direction:	4 knots / , 240°
Temperature:	78°C	Visibility	15 Miles
Precipitation and Obscuration:			
Departure Point:	APPLETON, WI (ATW)	Destination:	APPLETON, WI (ATW)

Airport Information

Airport:	OUTAGAMIE CO. A/P (ATW)	Runway Surface Type:	Concrete
Runway Used:	21	Runway Surface Condition:	Dry
Runway Length/Width:	7001 ft / 150 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):

Adopted Date: 09/01/1983

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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