



National Transportation Safety Board Aviation Accident Data Summary

Location:	CHEYENNE, WY	Accident Number:	DEN89LA053
Date & Time:	01/02/1989, 1545 MST	Registration:	N4440L
Aircraft:	CESSNA 172	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

THE ATP RATED PLT WAS TAXIING THE ACFT ON TAXIWAY 'B' TO RWY 26 FOR TAKEOFF. HE REPORTED THAT AS HE WAS TAXIING, A GUST LIFTED THE ACFT'S TAIL. THE ACFT THEN NOSED OVER & CAME TO REST INVERTED. THE PLT REPORTED THE WIND WAS FROM 250 DEG WITH GUSTS TO 45 KTS. DURING THE 1516 MST WX OBSERVATION, THE WIND WAS FROM 280 DEG AT 30 GUSTING 45 KTS.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: IMPROPER PLANNING/DECISION BY THE PILOT. FACTORS RELATED TO THE ACCIDENT WERE THE HIGH WIND AND GUSTS, WHICH HE WAS UNABLE TO COMPENSATE FOR.

Findings

Occurrence #1: ON GROUND/WATER ENCOUNTER WITH WEATHER
Phase of Operation: TAXI - TO TAKEOFF

Findings

1. (C) PLANNING/DECISION - IMPROPER - PILOT IN COMMAND
2. (F) WEATHER CONDITION - HIGH WIND
3. (F) WEATHER CONDITION - GUSTS
4. COMPENSATION FOR WIND CONDITIONS - NOT POSSIBLE

Occurrence #2: NOSE OVER
Phase of Operation: TAXI - TO TAKEOFF

Pilot Information

Certificate:	Airline Transport; Flight Instructor; Commercial	Age:	34
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane
Flight Time:	5103 hours (Total, all aircraft), 1700 hours (Total, this make and model), 5033 hours (Pilot In Command, all aircraft), 188 hours (Last 90 days, all aircraft), 40 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N4440L
Model/Series:	172 172	Engines:	1 Reciprocating
Operator:	LOYD, MICHAEL R.	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	O-300-D
Flight Conducted Under:	Part 91: General Aviation - Business		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	CYS, 6156 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 25000 ft agl	Wind Speed/Gusts, Direction:	30 knots / 45 knots, Variable
Temperature:	4° C	Visibility	60 Miles
Precipitation and Obscuration:			
Departure Point:	Destination: GREELEY, CO		

Airport Information

Airport:	CHEYENNE (CYS)	Runway Surface Type:	Concrete
Runway Used:	26	Runway Surface Condition:	Dry
Runway Length/Width:	9199 ft / 150 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	ROBERT B COLLINS	Adopted Date:	01/22/1991
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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