



National Transportation Safety Board Aviation Accident Data Summary

Location:	FARMINGTON, MO	Accident Number:	CHI90LA254
Date & Time:	09/01/1990, 0800 CDT	Registration:	N29490
Aircraft:	CESSNA 177	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE AIRPLANE WAS ON A CROSS COUNTRY FLIGHT WHEN ITS ENGINE CEASED TO RUN AFTER 4 HOURS AND 30 MINUTES. THE AIRPLANE DESCENDED FROM ALTITUDE AND WAS SUBSTANTIALLY DAMAGED DURING THE FORCED LANDING INTO A FIELD. INSPECTION OF THE UNDAMAGED FUEL TANKS REVEALED BOTH COMPLETELY EMPTY. THE AIRPLANES HOURLY RANGE, FOR THE ALTITUDE FLOWN, WOULD BE BETWEEN 7.2 AND 6.3 HOURS DEPENDING UPON WETHER THE FUEL TANKS WERE FILLED TO THE TOP OR UP TO THE BOTTOM OF THE FUEL TANK FILLER NECK. FUEL TANK FILLER CAP GASKETS WERE FOUND MODERATELY DETERIORATED AND LEAKED SMALL AMOUNTS OF FUEL WHEN THE WING TANKS CONTAINED FUEL AND WERE INVERTED.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: FUEL EXHAUSTION DUE TO UNKNOWN REASONS.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: CRUISE - NORMAL

Findings

1. (C) FLUID,FUEL - EXHAUSTION
2. (C) REASON FOR OCCURRENCE UNDETERMINED

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

Occurrence #3: NOSE GEAR COLLAPSED
Phase of Operation: LANDING - ROLL

Findings

3. TERRAIN CONDITION - OPEN FIELD
4. TERRAIN CONDITION - ROUGH/UNEVEN

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	23
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	
Flight Time:	761 hours (Total, all aircraft), 44 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N29490
Model/Series:	177 177	Engines:	1 Reciprocating
Operator:	NEAL SCOTT	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-320-E2D
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	GCI, 342 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	Light and Variable / , 50°
Temperature:	-18° C	Visibility	4 Miles
Precipitation and Obscuration:			
Departure Point:	ARDMORE, OK (1FO)	Destination:	MT. VERNON, IL (MVN)

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):	FRANK S GATTOLIN	Adopted Date:	11/09/1992
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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