



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Santa Fe, NM	<b>Accident Number:</b>	CEN10LA449
<b>Date &amp; Time:</b>	08/01/2010, 0950 MDT	<b>Registration:</b>	N52708
<b>Aircraft:</b>	CESSNA 172P	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

The pilot reported that he had just departed the airport when the engine completely lost oil pressure. Shortly afterward, the engine seized. The pilot performed a forced landing on a nearby mesa. During the descent, smoke was present both inside and outside the cockpit, with the majority of the smoke outside. During landing, the airplane impacted a short rock wall. When the pilot and passenger exited the airplane, smoke and flames were coming from the engine compartment. Most of the airplane was consumed during the ensuing fire. The airplane had experienced an oil leak; the oil cooler had been replaced the day before the accident. A postaccident examination of the wreckage did not reveal the source of an oil leak.

## Flight Events

Enroute-cruise - Loss of engine power (total)  
Enroute-cruise - Emergency descent initiated

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:  
A total loss of engine power following a loss of oil pressure for undetermined reasons.

## Findings

Aircraft-Aircraft power plant-Eng oil sys (airframe furnish)-(general)-Failure - C  
Aircraft-Aircraft power plant-(general)-(general)-Failure  
Environmental issues-Physical environment-Object/animal/substance-Wall/barricade-Effect on equipment  
Environmental issues-Physical environment-Object/animal/substance-Wall/barricade-Contributed to outcome  
Not determined-Not determined-(general)-(general)-Unknown/Not determined - C

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	43
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	65 hours (Total, all aircraft), 65 hours (Total, this make and model), 25 hours (Pilot In Command, all aircraft), 5 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	CESSNA	<b>Registration:</b>	N52708
<b>Model/Series:</b>	172P	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	On file	<b>Engine Manufacturer:</b>	LYCOMING
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	O-320 SERIES
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	SAF, 6348 ft msl	<b>Weather Information Source:</b>	Pilot
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	None
<b>Condition of Light:</b>	Day	<b>Wind Speed/Gusts, Direction:</b>	Light and Variable, Variable
<b>Temperature:</b>	21 °C / 16 °C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	Santa Fe, NM (SAF)	<b>Destination:</b>	Albuquerque, NM (AEG)

## Airport Information

<b>Airport:</b>	Santa Fe Municipal Airport (SAF)	<b>Runway Surface Type:</b>	
<b>Runway Used:</b>	N/A	<b>Runway Surface Condition:</b>	
<b>Runway Length/Width:</b>			

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Daniel Baker	<b>Adopted Date:</b>	06/14/2012
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76807">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76807</a>		

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