



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Longmont, CO	<b>Accident Number:</b>	CEN14LA267
<b>Date &amp; Time:</b>	06/01/2014, 0915 MDT	<b>Registration:</b>	N206ND
<b>Aircraft:</b>	DIAMOND AIRCRAFT IND INC DA20-C1	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

The pilot reported that the engine lost all power after the airplane took off and climbed to about 400 feet. He then made a forced landing to a field adjacent to the airport. The airplane struck the ground nose first and skidded about 150 feet before coming to a stop; the nose gear was sheared off. During a postaccident examination of the airplane, only a few drops of fuel were recovered from the wing and gascolator fuel drains; no fuel could be seen in either tank. The pilot noted that fuel had been leaking from the tanks for three days before the examination. However, even if minimal fuel had been present during the accident flight, more than a few drops should have drained out of the gascolator drain. Had the pilot done a thorough preflight inspection, he should have noted the lack of fuel in the tanks.

## Flight Events

Initial climb - Loss of engine power (total)  
Emergency descent - Off-field or emergency landing  
Landing - Collision with terr/obj (non-CFIT)  
Prior to flight - Aircraft servicing event

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:  
A loss of engine power due to fuel exhaustion. Contributing to the accident was the pilot's inadequate preflight inspection.

## Findings

Aircraft-Fluids/misc hardware-Fluids-Fuel-Fluid level - C  
Personnel issues-Task performance-Inspection-Preflight inspection-Pilot - F

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	73
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	Airplane Single-engine
<b>Flight Time:</b>	(Estimated) 1400 hours (Total, all aircraft), 700 hours (Total, this make and model)		

## Aircraft and Owner/Operator Information

Aircraft Manufacturer:	DIAMOND AIRCRAFT IND INC	Registration:	N206ND
Model/Series:	DA20-C1	Engines:	1 Reciprocating
Operator:	KOSAIR INC	Engine Manufacturer:	Continental
Air Carrier Operating Certificate:	None	Engine Model/Series:	IO-240-B
Flight Conducted Under:	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	KLMO, 5055 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	3 knots, 160°
Temperature:	23°C / 11°C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	Longmont, CO (KLMO)	Destination:	Longmont, CO (KLMO)

## Airport Information

Airport:	Vance Brand (KLMO)	Runway Surface Type:	Concrete
Runway Used:	29	Runway Surface Condition:	Dry
Runway Length/Width:	4799 ft / 75 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

## Administrative Information

Investigator In Charge (IIC):	Arnold W Scott	Adopted Date:	10/27/2014
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=89327">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=89327</a>		

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