



# National Transportation Safety Board Aviation Accident Final Report

<b>Location:</b>	Middleton, WI	<b>Accident Number:</b>	GAA15CA033
<b>Date &amp; Time:</b>	04/01/2015, 1520 CDT	<b>Registration:</b>	N777XX
<b>Aircraft:</b>	LANCAIR COMPANY LC 40 550FG	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

During a cross-country flight the pilot said he listened to the automated weather report a few miles west of his destination and noted crosswinds at 17 knots, gusting to 20 knots. The pilot continued the approach to landing and reported the touchdown was "uneventful," but during the landing roll a gust of wind rotated the nose 90 degrees into the crosswind. Subsequently, the airplane departed the runway surface and impacted a ditch adjacent to the runway, causing the nose wheel to collapse. The pilot reported no mechanical malfunctions or failures with the airplane that would have precluded normal operation.

Examination of the airplane revealed substantial damage to the engine firewall.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain directional control during landing. Contributing to the accident was the pilot's inadequate compensation for the crosswind during landing.

## Findings

<b>Aircraft</b>	Directional control - Not attained/maintained (Cause)
<b>Personnel issues</b>	Aircraft control - Pilot (Cause)
<b>Environmental issues</b>	Crosswind - Response/compensation (Factor) Sloped/uneven terrain - Contributed to outcome

## Factual Information

### History of Flight

Landing-landing roll	Loss of control on ground (Defining event) Runway excursion Collision with terr/obj (non-CFIT) Landing gear collapse
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### Pilot Information

Certificate:	Private	Age:	43
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without Waivers/Limitations	Last Medical Exam:	08/07/2013
Occupational Pilot:	No	Last Flight Review or Equivalent:	09/06/2014
Flight Time:	(Estimated) 229 hours (Total, all aircraft), 59 hours (Total, this make and model), 142 hours (Pilot In Command, all aircraft), 52 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Manufacturer:	LANCAIR COMPANY	Registration:	N777XX
Model/Series:	LC 40 550FG 550FG	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	40058
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	08/13/2014, Annual	Certified Max Gross Wt.:	3400 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	231 Hours	Engine Manufacturer:	CONT MOTOR
ELT:	C91A installed, not activated	Engine Model/Series:	IO-550N2B
Registered Owner:	AHMED AL-NIAIMI	Rated Power:	310 hp
Operator:	AHMED AL-NIAIMI	Air Carrier Operating Certificate:	None

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	KMSN, 887 ft msl	Observation Time:	1953 UTC
Distance from Accident Site:	9 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	81°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Scattered / 25000 ft agl	Temperature/Dew Point:	23°C / 3°C
Lowest Ceiling:		Visibility	10 Miles
Wind Speed/Gusts, Direction:	17 knots/ 22 knots, 180°	Visibility (RVR):	
Altimeter Setting:	29.84 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	PRAIRIE DU CHIEN, WI (PDC)	Type of Flight Plan Filed:	None
Destination:	Middleton, WI (C29)	Type of Clearance:	VFR Flight Following
Departure Time:	1455 CDT	Type of Airspace:	Class G

## Airport Information

Airport:	MIDDLETON MUNI - MOREY FIELD (C29)	Runway Surface Type:	Asphalt
Airport Elevation:	928 ft	Runway Surface Condition:	Dry
Runway Used:	28	IFR Approach:	None
Runway Length/Width:	4000 ft / 100 ft	VFR Approach/Landing:	Full Stop

## 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
Total Injuries:	1 None		

## Administrative Information

Investigator In Charge (IIC):	Adam M Gerhardt	Adopted Date:	06/09/2015
Additional Participating Persons:	Michael E Batson; FAA; Milwaukee, WI		
Publish Date:	10/21/2015		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=90980">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=90980</a>		

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