



Aviation Investigation Final Report

Location:	IMMOKALEE, Florida	Accident Number:	GAA19CA092
Date & Time:	November 5, 2018, 17:45 Local	Registration:	N9225G
Aircraft:	Maule MX7	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The flight instructor reported that, while administering a flight review, he took the flight controls to demonstrate a full-stall landing. During the landing roll, the airplane exited the right side of the runway. He increased power to abort the landing, and the left horizontal stabilizer struck a runway sign. He continued the climb the airplane and flew one pattern and landed. The airplane sustained substantial damage to the left horizontal stabilizer and the rudder. The instructor reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The flight instructor's failure to maintain directional control during the landing roll, which resulted in a runway excursion and a collision with runway signage during the subsequent attempted aborted landing.

Findings

Personnel issues	Aircraft control - Instructor/check pilot
Aircraft	Directional control - Not attained/maintained
Environmental issues	Sign/marker - Effect on operation

Factual Information

History of Flight

Landing	Loss of control on ground (Defining event)
Landing	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	74,Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Right
Other Aircraft Rating(s):	Glider	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 3 None	Last FAA Medical Exam:	May 8, 2017
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	November 14, 2017
Flight Time:	(Estimated) 5039 hours (Total, all aircraft), 68 hours (Total, this make and model), 4976 hours (Pilot In Command, all aircraft), 5 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Pilot Information

Certificate:	Airline transport; Commercial; Flight engineer; Flight instructor	Age:	70,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	April 20, 2018
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	October 3, 2016
Flight Time:	(Estimated) 8164 hours (Total, all aircraft), 32 hours (Total, this make and model), 2865 hours (Pilot In Command, all aircraft), 21 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Maule	Registration:	N9225G
Model/Series:	MX7 180A	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	20001C
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	September 16, 2018 Annual	Certified Max Gross Wt.:	2400 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1335 Hrs as of last inspection	Engine Manufacturer:	Lycoming
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-360-C4F
Registered Owner:		Rated Power:	180 Horsepower
Operator:		Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	IMM,37 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	22:15 Local	Direction from Accident Site:	0°
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	30°C / 19°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	IMMOKALEE, FL (IMM)	Type of Flight Plan Filed:	None
Destination:	IMMOKALEE, FL (IMM)	Type of Clearance:	None
Departure Time:	17:45 Local	Type of Airspace:	Class G

Airport Information

Airport:	IMMOKALEE RGNL IMM	Runway Surface Type:	Asphalt
Airport Elevation:	37 ft msl	Runway Surface Condition:	Dry
Runway Used:	09	IFR Approach:	None
Runway Length/Width:	5000 ft / 100 ft	VFR Approach/Landing:	Touch and go;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	26.43361,-81.400558(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Michael
Additional Participating Persons:	Roberto Rodriguez; FAA; Miramar, FL
Original Publish Date:	March 17, 2020
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=98755

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