



# Aviation Investigation Factual Report

<b>Location:</b>	ST.SIMONS, Georgia	<b>Accident Number:</b>	ATL99LA114
<b>Date &amp; Time:</b>	July 26, 1999, 09:30 Local	<b>Registration:</b>	N5643T
<b>Aircraft:</b>	Maule M-5-200	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Factual Information

On July 26, 1999, at 0930, eastern daylight time, a Maule M-5-200, N5643T, collided with the ground and flipped inverted during a forced landing near St. Simons Island, Georgia. The personal flight operated was by the pilot under the provisions of Title 14 CFR Part 91 with no flight plan filed. Visual weather conditions prevailed at the time of the accident. The airplane sustained substantial damage, and the private pilot was not injured. The flight departed from the Malcolm McKinnon Airport, St. Simons Island, Georgia, at 0928.

According to the pilot, shortly after liftoff from runway 34, at Malcolm McKinnon Airport, the engine lost power. Attempts by the pilot to restore full engine power failed. The pilot selected a marshy area for a forced landing. The airplane flipped inverted during the attempted forced landing two miles northwest of the airport.

The post-examination of the airplane disclosed that the dual magneto had separated from the engine assembly. The examination also showed that the magneto retention nuts and washers were not attached to the magneto. After the magneto was reinstalled on the engine, a satisfactory engine run was conducted. A review of the engine and airframe maintenance log books disclosed that the airplane was approximately 30 hours out of the last annual inspection. There was no record of magneto assembly removal during the last inspection.

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	60, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Unknown	<b>Last FAA Medical Exam:</b>	December 30, 1938
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	926 hours (Total, all aircraft), 426 hours (Total, this make and model), 24 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Maule	<b>Registration:</b>	N5643T
<b>Model/Series:</b>	M-5-200 M-5-200	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	8051C
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	January 3, 1999 Annual	<b>Certified Max Gross Wt.:</b>	2300 lbs
<b>Time Since Last Inspection:</b>	30 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2970 Hrs	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-360-JIA6D
<b>Registered Owner:</b>	TOM V. WILLIS JR.	<b>Rated Power:</b>	210 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	SSI ,20 ft msl	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	09:30 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Scattered / 15000 ft AGL	<b>Visibility</b>	7 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	5 knots / None	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	260°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	29°C / 24°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	(SSI )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	09:28 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	ST. SIMONS ISLAND SSI	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	20 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	34	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3613 ft / 75 ft	<b>VFR Approach/Landing:</b>	Forced landing

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	31.209297,-81.370719(est)

## Administrative Information

**Investigator In Charge (IIC):** Powell, Phillip

**Additional Participating Persons:** ROBERT YLLA; COLLEGE PARK , GA

**Report Date:** March 20, 2000

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=46880>

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