



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	Crowley, LA	<b>Accident Number:</b>	CEN20LA361
<b>Date &amp; Time:</b>	08/24/2020, 0935 CDT	<b>Registration:</b>	N639RR
<b>Aircraft:</b>	Cessna R182	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of engine power (partial)	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Aerial Observation		

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On August 24, 2020, about 0935 central daylight time, a Cessna R182 airplane, N639RR, was substantially damaged when it was involved in an accident near Crowley, Louisiana. The pilot was not injured. The airplane was operated as a Title 14 *Code of Federal Regulations* Part 91 aerial observation flight.

According to the pilot, the preflight engine run-up and takeoff were normal. About 30 minutes into the aerial observation flight, the engine began "popping" and running rough. The pilot was unable to maintain sufficient engine RPMs and elected to return to the departure airport for a precautionary landing. Based on the airplane's location relative to the runway orientation, the pilot performed a downwind landing. During the approach, the airplane was "a little high and fast;" however, the pilot was committed to the landing due to the reduced engine performance. The airplane touched down, overran the end of the turf runway, impacted a ditch and came to rest upright.

The pilot reported the airplane sustained substantial damage to both wings and the fuselage. Postaccident examination of the engine by the operator revealed the No. 4 engine cylinder exhaust valve was stuck which resulted in a bent push rod and partial loss of engine power. Following the accident, hurricane activity damaged the operator's facility and the accident airplane, and further examination of the engine was unable to be conducted.

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	31, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Without Waivers/Limitations	<b>Last FAA Medical Exam:</b>	07/30/2019
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	11/21/2018
<b>Flight Time:</b>	1129 hours (Total, all aircraft), 692 hours (Total, this make and model), 1036 hours (Pilot In Command, all aircraft), 223 hours (Last 90 days, all aircraft), 70 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N639RR
<b>Model/Series:</b>	R182 No Series	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1978	<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	R18200245
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	08/04/2020, 100 Hour	<b>Certified Max Gross Wt.:</b>	3100 lbs
<b>Time Since Last Inspection:</b>	35 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	9316.6 Hours at time of accident	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	C91 installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	O-540-J3C5D
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	235 hp
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	IYA, 16 ft msl	Distance from Accident Site:	16 Nautical Miles
Observation Time:	0935 CDT	Direction from Accident Site:	120°
Lowest Cloud Condition:	Scattered / 1600 ft agl	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	40°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.99 inches Hg	Temperature/Dew Point:	28° C / 21° C
Precipitation and Obscuration:	No Precipitation		
Departure Point:	Crowley, LA (LS09)	Type of Flight Plan Filed:	None
Destination:	Crowley, LA (LS09)	Type of Clearance:	None
Departure Time:	0850 CDT	Type of Airspace:	Class E

## Airport Information

Airport:	AJ Patrol Airport (LS09)	Runway Surface Type:	Grass/turf
Airport Elevation:	16 ft	Runway Surface Condition:	Dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	2400 ft / 150 ft	VFR Approach/Landing:	Full Stop; Precautionary Landing

## 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	Latitude, Longitude:	30.138889, -92.333333 (est)

## Administrative Information

Investigator In Charge (IIC):	Aaron M Sauer
Additional Participating Persons:	Paul Marks; FAA; Baton Rouge, LA
Note:	The NTSB did not travel to the scene of this accident.
Investigation Docket:	<a href="http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=101852">http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=101852</a>