



Aviation Investigation Final Report

Location:	MARCO, Florida	Accident Number:	MIA93LA080
Date & Time:	March 5, 1993, 14:00 Local	Registration:	N29WW
Aircraft:	CESSNA 210N	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT STATED THE ENGINE QUIT WHILE ON FINAL APPROACH AND HE DITCHED THE AIRCRAFT IN THE WATER. POSTCRASH EXAMINATION OF THE AIRCRAFT BY A SHERIFF'S DEPARTMENT PILOT INDICATED THE AIRCRAFT CONTAINED NO FUEL, AND THAT THERE WAS NO EVIDENCE OF FUEL LEAKAGE FROM THE AIRCRAFT PRIOR TO OR AFTER THE DITCHING. THE PILOT STATED HE WAS NOT SURE HOW MUCH TIME HE HAD FLOWN SINCE REFUELING. HE STATED TO SHERIFF'S DEPUTIES THE FUEL GAUGES WERE BETWEEN 0 AND 5 GALLONS AT THE TIME THE ENGINE QUIT.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT-IN-COMMAND'S FAILURE TO ENSURE THE AIRCRAFT CONTAINED ADEQUATE FUEL FOR THE FLIGHT, RESULTING IN LOSS OF ENGINE POWER DUE TO FUEL EXHAUSTION.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

1. (C) AIRCRAFT PREFLIGHT - INADEQUATE - PILOT IN COMMAND
2. (C) REFUELING - NOT PERFORMED - PILOT IN COMMAND
3. (C) FLUID,FUEL - EXHAUSTION

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: DITCHING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Factual Information

Pilot Information

Certificate:	Private	Age:	60, Male
Airplane Rating(s):	Single-engine land; Single-engine sea	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 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	April 1, 1992
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	1300 hours (Total, all aircraft), 700 hours (Total, this make and model), 1200 hours (Pilot In Command, all aircraft), 40 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N29WW
Model/Series:	210N 210N	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	21063308
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	March 12, 1992 Annual	Certified Max Gross Wt.:	3800 lbs
Time Since Last Inspection:	98 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	1418 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	IO-520-ACL
Registered Owner:	BOTTINI, ANTHONY R.	Rated Power:	285 Horsepower
Operator:	BOTTINI, ANTHONY R.	Operating Certificate(s) Held:	None
Operator Does Business As:	NAILATI LEASING CORP.	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	APF ,9 ft msl	Distance from Accident Site:	10 Nautical Miles
Observation Time:	13:55 Local	Direction from Accident Site:	330°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	290°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	21°C / 12°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	PUNTA GORDA , FL (PGD)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	13:30 Local	Type of Airspace:	Class G

Airport Information

Airport:		Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	Kennedy, Jeffrey
Additional Participating Persons:	TOM INGLIMA; MIAMI , FL
Original Publish Date:	February 10, 1994
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=33237

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