

NATIONAL TRANSPORTATION SAFETY BOARD PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT

This form to be used for reporting civil and public use aircraft accidents and incidents

BASIC INFORMATION

Accident/Incident Location

Nearest City/Place: Talkeetna State: AK
 ZIP: 99676 Country: United States
 Latitude: 62°19.23' (dd:mm:ss N/S) Longitude: 150°05.62' (ddd:mm:ss E/W)

Date/Time

Date: 09/08/2014 Local Time: 11:23
 mm/dd/yyyy Time Zone: Alaska Standard

Phase of Operation

☐ Standing ☐ Takeoff (incl. initial climb) ☐ Cruise ☐ Hover
☒ Taxi ☐ Climb ☐ Maneuvering ☐ Other
☐ Descent ☐ Landing ☐ Approach ☐ Unknown

Collision with Other Aircraft

☐ Midair
☐ On-ground
☒ None

Altitude of In-Flight Occurrence

_____ ft MSL

AIRCRAFT INFORMATION

Manufacturer: Maule

Model: M-5-235C

Serial Number: 7253C

Registration Number: N56332

Amateur-built: ☐ Yes ☒ No

Max Gross Weight: 2,300 lbs

Weight at Time of Accident/Incident: 2,004 lbs

Location of Center of Gravity at Time of Accident/Incident:

12.2 inches from ☐ nose or ☒ datum
 -or- _____ Percent Mean Aerodynamic Cord (% MAC)

Category of Aircraft

☒ Airplane
☐ Balloon
☐ Blimp/Dirigible
☐ Glider
☐ Gyrocraft
☐ Helicopter
☐ Powered lift
☐ Ultralight
☐ Unknown

Type of Airworthiness Certificate (Check all that apply)

Standard ☒ Normal ☐ Utility ☐ Acrobatic ☐ Transport
Special ☐ Restricted ☐ Limited ☐ Provisional ☐ Experimental ☐ Special Flight ☐ Light Sport

Number of Seats: 4

If Large Aircraft, how many seats for:

Flight Crew: _____

Cabin Crew: _____

Passengers: _____

Landing Gear ☐ Retractable

Check any additional landing gear configuration that applies:

☐ Tricycle ☒ Tailwheel
☐ Amphibian ☐ High Skid
☐ Emergency Float ☐ Skid
☐ Float ☐ Ski
☐ Hull ☐ Ski/Wheel
☐ Unknown

Type of Maintenance Program

☒ Annual
☐ Conditional (Amateur-built only)
☐ Manufacturer's Inspection Program
☐ Other Approved Inspection Program (AAIP)
☐ Continuous Airworthiness
☐ Other, specify: _____

Last Inspection Type

☐ 100 Hour ☐ Continuous Airworthiness
☐ AAIP ☐ Conditional Inspection
☒ Annual ☐ Unknown

Date Last Inspection: 04/13/2014

mm/dd/yyyy

Airframe Total Time: 10,335 hrs

hours measured at (check one)

☒ Last Inspection ☐ Time of Accident/Incident

IFR Equipped

☐ Yes ☒ No ☐ Unknown

Stall Warning System Installed

☒ Yes ☐ No ☐ Unknown

Type of Fire Extinguishing System

☒ None
☐ Specify _____

ELT Installed

☒ Yes ☐ No

ELT Activated

☐ Yes ☒ No

ELT Manufacturer: NARCO

Model/Series: ELT10

ELT Aided in Locating Accident/Incident

☐ Yes ☒ No

Serial Number: 65054

Battery Type: NiCad

Battery Exp. Date: 02/2016

Engine Type

☒ Reciprocating ☐ Turbo Jet
☐ Turbo Shaft ☐ Turbo Fan
☐ Turbo Prop ☐ Unknown

Reciprocating Fuel System Type

☒ Carburetor
☐ Fuel Injected

Propeller

☐ Fixed Pitch
☒ Controllable Pitch

Manufacturer: Hartzell

Model: F8468A-6R

Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. mm/dd/yyyy	Engine Rated Power Measured as (check one) ☒ Horsepower or ☐ lbs of Thrust	Total Time (hours)	Time Since Inspection (hours)	Time Since Overhaul (hours)
Eng. 1	Lycoming	O-540-J1A5D	L-22217-40A	02/15/1980	235	7,770	23	605
Eng. 2								
Eng. 3								
Eng. 4								

Description of Damage to Aircraft and Other Property *(use additional sheet if necessary)*

The prop struck, minor cracking to the cowl, the windshield broke with 30% falling out, the tail and rudder were bent with contact. The windshield V brace was bent and the main strut on the left side was bent.

AIRPORT INFORMATION *(If the accident/incident occurred on approach, takeoff or within 5 miles of an airport, complete this section)*

Airport Identifier: _____

Distance From Airport Center: _____ SM

Airport Name: _____

Direction From Airport: _____ degrees MAG

Proximity to Airport ☐ Off Airport/Airstrip ☐ On Airport ☐ On Airstrip

Airport Elevation: _____ ft. MSL

Approach Segment *(Select one)*☐ On Instrument Approach☐ Landing☐ Base leg☐ Final☐ Go Around☐ Crosswind☐ Downwind☐ Low Approach☐ Aborted Landing (after touchdown)**IFR Approach** *(Check all that apply)*☐ None☐ PAR☐ MLS☐ Practice☐ ADF/NDB☐ Sidestep☐ LDA☐ GPS☐ SDF☐ ILS☐ ASR☐ Loran☐ VOR/TVOR☐ Localizer Only☐ Visual☐ Unknown☐ VOR/DME☐ LOC-back course☐ Contact☐ TACAN☐ RNAV☐ Circling**VFR Approach** *(Check all that apply)*☐ None☐ Traffic Pattern☐ Straight-In☐ Valley/Terrain Following☐ Go Around☐ Full Stop☐ Stop and Go☐ Touch and Go☐ Simulated Forced Landing☐ Forced Landing☐ Precautionary Landing☐ Unknown**Runway Information**

Runway ID: _____ (L/R/C) Length: _____ ft Width: _____ ft

Runway/Landing Surface *(Check all that apply)*☐ Asphalt☐ Grass/Turf☐ Macadam☐ Water☐ Concrete☐ Gravel☐ Metal/Wood☐ Unknown☐ Dirt☐ Ice☐ Snow**Condition of Runway/Landing Surface** *(Check all that apply)*☐ Dry☐ Holes☐ Ice Covered☐ Rough☐ Rubber Deposits☐ Slush Covered☐ Snow-Compacted☐ Snow-Crusted☐ Snow-Dry☐ Snow-Wet☐ Soft☐ Vegetation☐ Water-Calm☐ Water-Choppy☐ Water-Glassy☐ Wet☐ Unknown**FLIGHT ITINERARY INFORMATION****Last Departure Point**Airport ID: AK43City: WasillaState: AKCountry: United States**Time of Departure**Time: 10:00Time Zone: AST**Destination**Airport ID: AK43City: WasillaState: AKCountry: United States**Type Flight Plan Filed**☒ None☐ Company VFR☐ Military VFR☐ VFR☐ VFR/IFR☐ IFR☐ UnknownActivated? ☐ Yes ☐ No**Type of ATC Clearance/Service** *(Check all that apply)*☒ None☐ VFR☐ Special VFR☐ IFR☐ Special IFR☐ VFR On Top☐ VFR Flight Following☐ Traffic Advisory☐ Cruise☐ Unknown / NA**Airspace where the accident/incident occurred** *(Check all that apply)*☐ Class A☐ Class B☐ Class C☐ Class D☐ Class E☒ Class G☐ Demo Area☐ Warning Area☐ Prohibited Area☐ Restricted Area☐ Military Operations Area (MOA)☐ Airport Advisory Area☐ Jet Training Area☐ TRSA☐ FAR 93☐ Special☐ Air Traffic Control Area☐ Unknown**Aircraft Load Description** *(Check all that apply)*☒ None☐ Passengers☐ Cargo☐ Towing Glider☐ Towing Banner☐ Other External☐ Parachutists☐ Water☐ Chemical/Fertilizer/Seeds☐ Livestock☐ Unknown**FUEL & SERVICES INFORMATION****Fuel on Board at Last Takeoff***(convert from pounds, as necessary)*30

Gallons

Fuel Type☐ 80/87☒ 100 Low Lead☐ 100/130☐ 115/145☐ Jet A☐ Automotive☐ JP3☐ JP4☐ JP5☐ Other, specify _____**Other Services, if Any, Prior to Departure**

EVALUATION OF AIRCRAFTWas an emergency evacuation of the aircraft performed? ☐ Yes ☒ No

Method of Exit – Describe how the occupants exited and how many occupants evacuated each location

Exited pilot side door; pilot

WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE**Weather Observation Facility**

Facility ID: PAWS

Observation Time: 10:00

Time Zone: AST

Distance from Accident Site: 52 NM

Direction from Accident Site: 110 degrees MAG

Source of Weather Information

(Check all that apply)

- | | |
|---|-----------------------------------|
| ☐ National Weather Service | ☐ Company |
| ☐ Flight Service Station | ☐ Military |
| ☐ TV/Radio | ☐ Internet |
| ☒ Automated Report | ☐ Unknown |
| ☐ Commercial Weather Service (DUATS) | |

Method of Briefing

(Check all that apply)

- | |
|--|
| ☐ In Person |
| ☐ Teletype |
| ☐ Telephone/Computer |
| ☒ Aircraft Radio |
| ☐ TV/Radio |
| ☐ Unknown |

Briefing Type/Completeness

- | | |
|---|--|
| ☒ Full | ☐ Abbreviated |
| ☐ Partial / Limited By Pilot | ☐ Unknown |
| ☐ Partial / Limited By Briefer | ☐ Not Pertinent |

Light Condition

- | | | |
|---|--------------------------------|---------------------------------------|
| ☐ Dawn | ☐ Dusk | ☐ Dark Night |
| ☒ Day | ☐ Night | ☐ Bright Night |
| | | ☐ Not Reported |

Visibility

10 miles

Sky/Lowest Cloud Condition

- | | |
|--|---|
| ☐ Clear | ☐ Thin Broken |
| ☐ Few | ☒ Thin Overcast |
| ☐ Partial Obscuration | ☐ Unknown |
| ☐ Scattered | |

Ceiling

- | | |
|--|-------------------------------------|
| ☐ None (clear) | ☐ Obscured |
| ☒ Broken | ☐ Indefinite |
| ☐ Overcast | ☐ Unknown |

Restriction to Visibility (Check all that apply)

- | | |
|--|-------------------------------------|
| ☒ None | ☐ Fog |
| ☐ Blowing Dust | ☐ Ground Fog |
| ☐ Blowing Sand | ☐ Haze |
| ☐ Blowing Snow | ☐ Ice Fog |
| ☐ Blowing Spray | ☐ Smoke |
| ☐ Dust | ☐ Unknown |

Lowest Cloud Condition Height

7,000 ft AGL

Ceiling Height

7,000 ft AGL

Wind Direction☐ Indicated:
300 degrees MAG☐ Variable**Wind Speed**

Velocity: 10 KTS

-or-

- | |
|---|
| ☐ Calm |
| ☐ Light and Variable |

Wind Gusts

Velocity: KTS

- | |
|---|
| ☐ Gusting |
| ☒ Not Gusting |

Type of Turbulence (Check all that apply)

- | | |
|--|---|
| ☒ None | ☐ In Clouds |
| ☐ Clear Air | ☐ Vicinity of Thunderstorm |

Severity of Turbulence

- | | | |
|----------------------------------|--|--------------------------------|
| ☐ Extreme | ☐ Moderate | ☐ Light |
| ☐ Severe | ☐ Moderate Chop | |

NOTAMs (D, L and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident

Temperature: (C)
or 50 (F)Altimeter Setting: 29.4 in. HG
or MB

Density Altitude: 650 ft

Dew Point: (C)
or 35 (F)**Icing Forecast**

Amount

- | | |
|--|-----------------------------------|
| ☒ None | ☐ Moderate |
| ☐ Trace | ☐ Severe |
| ☐ Light | |

Type

- | |
|--------------------------------|
| ☐ Rime |
| ☐ Clear |
| ☐ Mixed |

Icing Actual

Amount

- | | |
|--|-----------------------------------|
| ☒ None | ☐ Moderate |
| ☐ Trace | ☐ Severe |
| ☐ Light | |

Type

- | |
|--------------------------------|
| ☐ Rime |
| ☐ Clear |
| ☐ Mixed |

Type of Precipitation (Check all that apply)

- | | |
|--|---|
| ☐ None | ☐ Drizzle |
| ☒ Rain | ☐ Ice Pellets |
| ☐ Snow | ☐ Snow Pellets |
| ☐ Hail | ☐ Snow Grains |
| ☐ Rain Showers | ☐ Ice Crystals |
| ☐ Freezing Rain | ☐ Ice Pellets Shower |
| ☐ Snow Shower | ☐ Freezing Drizzle |

Intensity of Precipitation

- | | | |
|---|-----------------------------------|--------------------------------|
| ☒ Light | ☐ Moderate | ☐ Heavy |
|---|-----------------------------------|--------------------------------|

PILOT "B" INFORMATION

Pilot "B" Responsibilities at the Time of Accident/Incident

☐ Pilot ☐ Co-Pilot ☐ Student Pilot ☐ Flight Instructor ☐ Check Pilot ☐ Flight Engineer ☐ Other Flight Crew

Pilot "B" Identification

First Name: _____ City: _____
 Middle Initial: _____ State: _____ ZIP: _____
 Last Name: _____ Country: _____

Age at time of Accident/Incident: _____ Date of Birth: _____ mm/dd/yyyy Certificate Number: _____

Degree of Injury

☐ None ☐ Fatal
☐ Minor ☐ Unknown
☐ Serious

Seat Occupied

☐ Left ☐ Front ☐ Unknown
☐ Right ☐ Rear
☐ Center ☐ Single

Seat Belt

Used ☐ Yes ☐ No
 Available ☐ Yes ☐ No

Shoulder Harness

Used ☐ Yes ☐ No
 Available ☐ Yes ☐ No

Pilot Certificate(s) (Check all that apply)

☐ None ☐ Student ☐ Recreational ☐ Commercial ☐ Flight Engineer ☐ Foreign
☐ Private ☐ Flight Instructor ☐ Sport ☐ Airline Transport ☐ U.S. Military

Principal Occupation

☐ Pilot
☐ Other
☐ Unknown

Medical Certificate

☐ None ☐ Class 3
☐ Class 1 ☐ Driver's License (Sport Pilot only)
☐ Class 2 ☐ Unknown

Medical Certificate Validity

☐ Without limitations/waivers
☐ With limitations/waivers
☐ Unknown

Date of Last Medical

mm/dd/yyyy

Medical Certificate Limitations

Medical Certificate Waivers

Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:

mm/dd/yyyy

Flight Review Aircraft

Make: _____
 Model: _____

Airplane Rating(s)

(Check all that apply)
☐ None
☐ Single-Engine Land
☐ Single-Engine Sea
☐ Multiengine Land
☐ Multiengine Sea

Other Aircraft Rating(s)

(Check all that apply)
☐ None
☐ Airship
☐ Free Balloon
☐ Glider
☐ Gyroplane
☐ Helicopter
☐ Powered Lift

Instrument Rating(s)

(Check all that apply)
☐ None
☐ Airplane
☐ Helicopter
☐ Powered Lift

Instructor Rating(s)

(Check all that apply)
☐ None ☐ Instrument Airplane
☐ Airplane Single-Engine ☐ Instrument Helicopter
☐ Airplane Multi-Engine ☐ Helicopter
☐ Gyroplane ☐ Glider
☐ Powered Lift ☐ Sport

Type Ratings

Student Endorsements (Include dates)

Flight Time (enter appropriate number of hours in each box)

	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time										
Pilot in Command (PIC)										
Time as Instructor										
This Make/Model										
Last 90 Days										
Last 30 Days										
Last 24 Hours										

ADDITIONAL FLIGHT CREW MEMBERS (Exclude of cabin attendants, complete the following information)

Pilot Name and Address First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		Degree of Injury ☐ None ☐ Fatal ☐ Minor ☐ Unknown ☐ Serious
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Student ☐ Recreational ☐ Commercial ☐ Flight Engineer ☐ Foreign ☐ Private ☐ Flight Instructor ☐ Sport ☐ Airline Transport ☐ U.S. Military		Seat Occupied ☐ Left ☐ Front ☐ Right ☐ Rear ☐ Center ☐ Single ☐ Unknown
Type Rating/Endorsement for Accident/Incident Aircraft? ☐ Yes ☐ No	Total Flight Time at the Time of this Accident/Incident: _____ hrs	

Pilot Name and Address First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		Degree of Injury ☐ None ☐ Fatal ☐ Minor ☐ Unknown ☐ Serious
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Student ☐ Recreational ☐ Commercial ☐ Flight Engineer ☐ Foreign ☐ Private ☐ Flight Instructor ☐ Sport ☐ Airline Transport ☐ U.S. Military		Seat Occupied ☐ Left ☐ Front ☐ Right ☐ Rear ☐ Center ☐ Single ☐ Unknown
Type Rating/Endorsement for Accident/Incident Aircraft? ☐ Yes ☐ No	Total Flight Time at the Time of this Accident/Incident: _____ hrs	

Pilot Name and Address First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		Degree of Injury ☐ None ☐ Fatal ☐ Minor ☐ Unknown ☐ Serious
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Student ☐ Recreational ☐ Commercial ☐ Flight Engineer ☐ Foreign ☐ Private ☐ Flight Instructor ☐ Sport ☐ Airline Transport ☐ U.S. Military		Seat Occupied ☐ Left ☐ Front ☐ Right ☐ Rear ☐ Center ☐ Single ☐ Unknown
Type Rating/Endorsement for Accident/Incident Aircraft? ☐ Yes ☐ No	Total Flight Time at the Time of this Accident/Incident: _____ hrs	

PASSENGER(S)/OTHER PERSONNEL (include flight attendants, continue on separate sheet if necessary)

Name and Address	Seat	Crew	Non-Revenue	Revenue	Non-Occupant	FAA	Fatal	Serious Injury	Minor Injury	No Injury	Unknown
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____	_____	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____	_____	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____	_____	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____	_____	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____	_____	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____	_____	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____	_____	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____	_____	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

NARRATIVE HISTORY OF FLIGHT (Please type or print in ink)

Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State time and point of departure, intended destination, and services obtained.

Departed AK43, Wasilla, after listening to PAWS AWOS 10:00 am AST. The purpose of the flight was to check on equipment and pick up some gear from my property strip, round trip back to departure airport. Flew to the Kahiltna river valley and up the river to near the glacier and landed on a gravel strip to check on some equipment left there. Took off from there and flew down river to my property. Landed to the north, uphill and turned and taxied back to the south end of the strip. My taxi speed was too fast and as I rolled through a wet grassy portion, I applied my brakes and rolled into a muddy section where I rolled the plane over the nose. My taxi speed was too fast for this downhill, soft surface of mud and clay and I think the wet brakes may have factored into the response of braking.

During the roll the prop struck, minor cracking to the cowling, the windshield broke with 30% falling out, the tail and rudder were bent with contact. The windshield V brace was bent and the main strut on the left side was bent.

RECOMMENDATION (How could this accident/incident have been prevented?)**Operator/Owner Safety Recommendation**

Slower taxi speed when going downhill on soft surface runway. Be cautious of changing conditions of runway surface, wet muddy. I had been to the strip 4 days earlier and it was dry and solid.

ADDITIONAL INFORMATION *(Please type or print in ink)*

Use this space if additional space is needed for any answers.

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Date of this Report

09/24/2014

mm/dd/yyyy

Signature and Name of Pilot/Operator

Signature: _____

Type or Print Name: Paul G. Smith

Signature and Name of Person Filing Report if Other than Pilot/Operator

Signature: _____

Type or Print Name: _____

Title: _____

FOR NTSB USE ONLY**NTSB Accident/Incident No.**

ANC14CA081

Reviewed by NTSB Regional Office

Anchorage

Name of Investigator

Banning

Date Report Received

9/25/2014