

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

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

BASIC INFORMATION

Accident/Incident Location

Nearest City/Place: ROME State: MI
 ZIP: 48065 Country: UNITED STATES
 Latitude: 82 58.46'W Longitude: 42 47.78'N
(Enter in decimal degrees or degrees:minutes:seconds)

Accident/Incident Date/Time

Date: 09/15/2021 Local Time: APPROX 1045
mm/dd/yyyy Time Zone: EST

Collision with Other Aircraft: ☐ Midair ☐ On-ground ☒ None

AIRCRAFT INFORMATION

Registration Number: N632SD

Manufacturer: AIRBUS

Model: AS350B2

Serial Number: 3519

Year of Manufacture: 2002

Amateur-Built: ☐ Yes ☒ No If Yes: ☐ Kit/Plans ☐ Make: _____
☐ Original Design

☐ IFR-Equipped and Certified
☐ Commercial Space Flight
☐ Unmanned Aircraft

Maximum Gross Weight: 4961 lbs

Weight at Time of Accident/Incident: EST 4700 lbs

Number of Seats: 6 Flight Crew Seats: 2

Cabin Crew Seats: _____ Passenger Seats: 4

Number of Engines: 1

Category of Aircraft

- ☐ Airplane
- ☐ Balloon
- ☐ Blimp/Dirigible
- ☐ Glider
- ☐ Gyroplane
- ☒ Helicopter
- ☐ Powered Lift
- ☐ Rocket
- ☐ Ultralight
- ☐ Unknown

Type of Airworthiness Certificate (Check all that apply)

Standard

☒ Normal

☐ Aerobatic

☐ Balloon

☐ Commuter

☐ Transport

☐ Utility

Special

☐ Restricted

☐ Limited

☐ Provisional

☐ Special Flight

☐ Experimental

☐ Special Light-Sport

☐ Experimental Light-Sport

☐ Certificate of Authorization or Waiver (COA)
☐ None ☐ Unknown

Landing Gear (Check all that apply)

☐ Retractable

☐ Tricycle

☐ Amphibian

☐ Emergency Float

☐ Float

☐ Hull

☐ Other Launch/Recovery System

☐ None

☐ Tailwheel

☒ High Skid

☐ Skid

☐ Ski

☐ Ski/Wheel

☐ Unknown

Engine Type (Select one)

☐ Reciprocating

☒ Turbo Shaft

☐ Turbo Prop

☐ Turbo Jet

☐ Turbo Fan

☐ Electric

☐ Liquid Rocket

☐ Solid Rocket

☐ Hybrid Rocket

☐ None

☐ Unknown

Fuel System Type (Reciprocating)

☐ Carburetor

☐ Fuel-Injected

Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. <i>mm/dd/yyyy</i>	Rated Power ☒ Horsepower or ☐ lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Overhaul (hours)
Eng. 1	TURBOMECA	ARRIEL 1D1	9788	1/8/2002	732			
Eng. 2								
Eng. 3								
Eng. 4								

Last Inspection Type

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

Date Last Inspection: 3/13/2020

mm/dd/yyyy

Airframe Total Time: 6357 hrs

hours measured at (Select one)

☐ Last Inspection ☒ Time of Accident/Incident

Type of Maintenance Program (Select one)

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

Description of Fire Extinguishing System

- ☒ None
- ☐ Specify: _____

Propeller 1

- ☐ Fixed Pitch
- ☐ Controllable Pitch
- ☐ Ground Adjustable

Manufacturer: _____

Model: _____

Propeller 2

- ☐ Fixed Pitch
- ☐ Controllable Pitch
- ☐ Ground Adjustable

Manufacturer: _____

Model: _____

ELT Installed: ☒ Yes ☐ No

If Yes:

ELT Manufacturer: _____

Model or Part No.: _____

TSO No.: ☐ OC91 (121.5 MHz) ☐ OC91a (121.5 MHz)
☐ OC126 (406 MHz)

Was ELT still mounted in aircraft? ☒ Yes ☐ No

Was ELT still connected to antenna? ☒ Yes ☐ No

Did ELT Activate? ☒ Yes ☐ No

If activated:

Did ELT Aid in Locating Aircraft? ☐ Yes ☒ No

If not activated:

- Indicate Reason:
- ☐ Impact Damage
 - ☐ Fire Damage
 - ☐ Battery Expired/Damaged
 - ☒ Unknown

Additional Equipment (Check all that apply)

- ☒ ADS-B
- ☐ Airframe Parachute
- ☐ Angle of Attack Indicator
- ☐ Autopilot
- ☐ Data Recorder
- ☐ Electronic Flight Bag or Handheld Device
- ☐ Electronic Multifunction Display
- ☐ Electronic Primary Flight Display
- ☐ Handheld GPS
- ☐ Heads Up Display
- ☐ Onboard Weather
- ☐ Satellite Tracking Device
- ☐ Stall Warning System
- ☐ Video Recording Device
- ☐ Other, Specify: _____

OWNER/OPERATOR INFORMATION**Registered Aircraft Owner**Name: OAKLAND COUNTYCity: PONTIACFractional Ownership Aircraft: ☐ Yes ☒ NoState: MIZIP: 48341Country: USA**Operator of Aircraft**☒ Same As Registered Owner☐ Same Address as Registered Owner

Name: _____

City: _____

Doing Business As: _____

State: _____

ZIP: _____

Air Carrier/Operator Designator (4 Character Code): _____

Country: _____

Operating Certificates Held

(Check all that apply)

- ☒ None
☐ Flag Carrier Operating Certificate (FAR 121)
☐ Supplemental
☐ Air Cargo
☐ Foreign Air Carriers (FAR 129)
☐ Rotorcraft External Load (FAR 133)
☐ Commuter Air Carrier (FAR 135)
☐ On-Demand Air Taxi (FAR 135)
☐ Commercial Air Tour (FAR 136)
☐ Agricultural Aircraft (FAR 137)
☐ Pilot School (FAR 141)
☐ Certificate of Authorization or Waiver (COA)
☐ Commercial Space Transportation
Experimental Permit
☐ Commercial Space Transportation License
☐ Other Operator of Large Aircraft

Regulation Flight Conducted Under

- ☒ FAR 91 ☐ FAR 129 ☐ FAR 415
☐ FAR 103 ☐ FAR 133 ☐ FAR 431
☐ FAR 121 ☐ FAR 135 ☐ FAR 435
☐ FAR 125 ☐ FAR 137 ☐ FAR 437
- ☐ FAR 91 Special Flight
☐ Non-US, Commercial
☐ Non-US, Non-commercial
- ☐ Public Aircraft (Select one)
☐ Armed Forces
☐ Federal
☐ State
☒ Local
☐ Unknown

Revenue Operation for FAR 121, 125, 129, 135
(Select one for each group)

- ☐ Scheduled or Commuter ☐ Domestic
☐ Non-Scheduled or Air Taxi ☐ International
- ☐ Passenger
☐ Cargo
☐ Mail Contract Only

Purpose of Flight for FAR 91, 103, 133, 137
(Select one)

- ☐ Aerial Application ☐ Firefighting ☐ Unknown
☐ Aerial Observation ☐ Flight Test
☐ Air Drop ☐ Glider Tow
☐ Air Race/Show ☒ Instructional
☐ Banner Tow ☐ Other Work Use
☐ Business ☐ Personal
☐ Executive/Corporate ☐ Positioning
☐ External Load ☐ Skydiving
☐ Ferry

Revenue Sightseeing Flight☐ Yes ☒ No**Air Medical Flight**☐ Yes ☒ No**AIRPORT INFORMATION** (Fill in if accident/incident occurred on approach, landing, takeoff, departure, or within 3 miles of an airport)Airport Name: ROMEO STATEAirport Identifier: D98Proximity to Airport: ☐ Off Airport/Airstrip ☒ On Airport/Airstrip ☐ N/ADistance From Airport Center: 0 sm

Direction From Airport: _____ degrees true

Airport Elevation: 738 ft. msl**Runway Information**Runway ID: 18/36 (L/R/C) Length: 4000 ft Width: 75 ft**Runway/Landing Surface** (Check all that apply)

- ☒ Asphalt ☐ Grass/Turf ☐ Macadam ☐ Water
☐ Concrete ☐ Gravel ☐ Metal/Wood
☐ Dirt ☐ Ice ☐ Snow ☐ Unknown

Condition of Runway/Landing Surface (Check all that apply)

- ☒ Dry ☐ Snow-Compacted ☐ Water-Calm
☐ Holes ☐ Snow-Crusted ☐ Water-Choppy
☐ Ice Covered ☐ Snow-Dry ☐ Water-Glassy
☐ Rough ☐ Snow-Wet ☐ Wet
☐ Rubber Deposits ☐ Soft
☐ Slush-Covered ☐ Vegetation ☐ Unknown

Approach/Departure Segment (Select one)

- ☐ Taxi ☐ VFR Departure ☐ On Instrument Approach ☐ Downwind ☐ Low Approach
☐ Takeoff ☐ IFR Departure Procedure/Clearance ☐ Landing ☐ Base ☐ Go Around
☐ Initial Climb ☐ Final ☐ Crosswind ☐ Aborted Landing (after touchdown)
☐ Unknown

IFR Approach (Check all that apply)

- ☒ None
☐ ADF/NDB ☐ PAR ☐ MLS ☐ Practice
☐ SDF ☐ Sidestep ☐ LDA ☐ GPS
☐ VOR/TVOR ☐ ILS ☐ ASR
☐ VOR/DME ☐ Localizer Only ☐ Visual
☐ TACAN ☐ LOC-back course ☐ Contact
☐ RNAV ☐ Circling
☐ Unknown

VFR Approach (Check all that apply)

- ☐ None
☐ Traffic Pattern ☐ Stop and Go
☐ Straight-In ☐ Touch and Go
☐ Valley/Terrain Following ☒ Simulated Forced Landing
☐ Go Around ☐ Forced Landing
☐ Full Stop ☐ Precautionary Landing
☐ Unknown

"FLIGHT CREWMEMBER 1" INFORMATION

"Flight Crewmember 1" Responsibilities at the Time of Accident/Incident

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

"Flight Crewmember 1" was pilot flying
 ☒ Yes
 ☐ No

"Flight Crewmember 1" Identification

First Name: BRUCE

Middle Initial: R

Last Name: BARGET

City of Residence: BOYNE CITY

State: MI

ZIP: 49712

Country: USA

Age at time of Accident/Incident: 67

Date of Birth: [REDACTED]

mm/dd/yyyy

Certificate Number: [REDACTED]

Degree of Injury

☒ None
 ☐ Fatal
 ☐ Minor
 ☐ Unknown
 ☐ Serious

Seat Occupied

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

Restraint Type

Available

☐ None
 ☐ Lap only
 ☐ 3-point
 ☒ 4-point
 ☐ 5-point
 ☐ Unknown

Used

☐ None
 ☐ Lap only
 ☐ 3-point
 ☒ 4-point
 ☐ 5-point
 ☐ Unknown

Inflatable Restraints

☒ Not Installed
 ☐ Installed
 ☐ Not Deployed
 ☐ Deployed
 ☐ Unknown

Pilot Certificate(s) (Check all that apply)

☐ None
 ☒ Flight Instructor
 ☐ Commercial
 ☐ US Military
 ☐ Private
 ☐ Recreational
 ☐ Airline Transport
 ☐ Foreign
 ☐ Student
 ☐ Sport
 ☐ Flight Engineer

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
 ☐ Unknown
 ☒ With limitations/waivers
 ☐ N/A
 ☐ Special Issuance

Date of Last Medical

10/20/2020
mm/dd/yyyy

Medical Certificate Limitations

SHALL POSSESS GLASSES FOR NEAR/INTERMEDIATE VISION

Medical Certificate Special Issuance

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

11/19/2020
mm/dd/yyyy

Flight Review Aircraft

Make: BELL HELICOPTER & ROBINSON HELICOPTER

Model: FAR 135: BELL 430 11/19/2020 FAR 61: R44 & R22 4/2021

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
 ☐ 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
 ☒ Airplane Single-Engine
 ☒ Instrument Airplane
 ☐ Airplane Multi-Engine
 ☒ Instrument Helicopter
 ☐ Gyroplane
 ☐ Helicopter
 ☐ 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	3,760	55	1,732	22		50	458	1,978		
Pilot in Command (PIC)	3,308									
Time as Instructor	505									
This Make/Model										
Last 90 Days	31	25						31		
Last 30 Days	11	10						11		
Last 24 Hours	0	0						0		

"FLIGHT CREWMEMBER 2" INFORMATION

"Flight Crewmember 2" Responsibilities at the Time of Accident/Incident

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

"Flight Crewmember 2" was pilot flying
 ☐ Yes
 ☐ No

"Flight Crewmember 2" Identification

First Name: JENNIFER

City of Residence: MACOMB

Middle Initial: A

State: MI

ZIP: 48044

Last Name: DOWNEY

Country: USA

Age at time of Accident/Incident: 34

Date of Birth: [REDACTED]

mm/dd/yyyy

Certificate Number: [REDACTED]

Degree of Injury

☒ None
 ☐ Fatal
 ☐ Minor
 ☐ Unknown
 ☐ Serious

Seat Occupied

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

Restraint Type

Available

☐ None
 ☐ Lap only
 ☐ 3-point
 ☒ 4-point
 ☐ 5-point
 ☐ Unknown

Used

☐ None
 ☐ Lap only
 ☐ 3-point
 ☒ 4-point
 ☐ 5-point
 ☐ Unknown

Inflatable Restraints

☒ Not Installed
 ☐ Installed
 ☐ Not Deployed
 ☐ Deployed
 ☐ Unknown

Pilot Certificate(s) (Check all that apply)

☐ None
 ☐ Flight Instructor
 ☐ Commercial
 ☐ US Military
 ☐ Private
 ☐ Recreational
 ☐ Airline Transport
 ☐ Foreign
 ☒ Student
 ☐ Sport
 ☐ Flight Engineer

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
 ☐ Unknown
 ☐ With limitations/waivers
 ☐ N/A
 ☐ Special Issuance

Date of Last Medical

02/19/2021
mm/dd/yyyy

Medical Certificate Limitations

Medical Certificate Special Issuance

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
 ☐ 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
 ☐ Instrument Helicopter
 ☐ Airplane Single-Engine
 ☐ Helicopter
 ☐ Airplane Multi-Engine
 ☐ Glider
 ☐ Gyroplane
 ☐ Sport
 ☐ Powered Lift

Type Ratings

Student Endorsements (Include dates)

TSA 9/2020
 PRE-SOLO TRAINING ENDORSEMENT 8/18/2021
 PRE-SOLO KNOWLEDGE EXAM 8/18/2021
 90 DAY SOLO ENDORSEMENT 8/19/2021

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	28	28						28		
Pilot in Command (PIC)	1									
Time as Instructor										
This Make/Model										
Last 90 Days	12	12						12		
Last 30 Days	11	11						11		
Last 24 Hours	0	0						0		

ADDITIONAL FLIGHT CREWMEMBERS (Exclusive of cabin crew; complete the following information)

Crew Name and Address

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

Seat Occupied

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

Injury

☐ None
☐ Minor
☐ Serious
☐ Fatal
☐ Unknown

Pilot Certificate(s) (Check all that apply)

☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military
☐ Private ☐ Recreational ☐ Airline Transport ☐ Foreign
☐ Student ☐ Sport ☐ Flight Engineer

Restraint Type:

Available **Used**
☐ None ☐ None
☐ Lap Only ☐ Lap Only
☐ 3-point ☐ 3-point
☐ 4-point ☐ 4-point
☐ 5-point ☐ 5-point
☐ Unknown ☐ Unknown

Inflatable Restraints

☐ Not Installed
☐ Installed
☐ Not Deployed
☐ Deployed
☐ Unknown

Type Rating/Endorsement for

Accident/Incident Aircraft? ☐ Yes ☐ No

Total Flight Time at the Time

of this Accident/Incident: _____ hrs

Crew Name and Address

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

Seat Occupied

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

Injury

☐ None
☐ Minor
☐ Serious
☐ Fatal
☐ Unknown

Pilot Certificate(s) (Check all that apply)

☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military
☐ Private ☐ Recreational ☐ Airline Transport ☐ Foreign
☐ Student ☐ Sport ☐ Flight Engineer

Restraint Type:

Available **Used**
☐ None ☐ None
☐ Lap Only ☐ Lap Only
☐ 3-point ☐ 3-point
☐ 4-point ☐ 4-point
☐ 5-point ☐ 5-point
☐ Unknown ☐ Unknown

Inflatable Restraints

☐ Not Installed
☐ Installed
☐ Not Deployed
☐ Deployed
☐ 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 cabin crew; continue on separate sheet if necessary)

Name and Address

First Name: _____ City: _____
 Middle Initial: _____ State: _____ ZIP: _____
 Last Name: _____ Country: _____
☐ Crew ☐ Passenger ☐ Other

Seat

☐ Left
☐ Center
☐ Right
☐ Unknown
 Row: _____

Injury

☐ None
☐ Minor
☐ Serious
☐ Fatal
☐ Unknown

Restraint Type

Available **Used**
☐ None ☐ None
☐ Lap Only ☐ Lap Only
☐ 3-point ☐ 3-point
☐ 4-point ☐ 4-point
☐ 5-point ☐ 5-point
☐ Unknown ☐ Unknown

Inflatable Restraints

☐ Not Installed
☐ Installed
☐ Not Deployed
☐ Deployed
☐ Unknown

Age

☐ Under 5 years
 If Under 5,
☐ Child Restraint
☐ Lap-Held
☐ Unknown

First Name: _____ City: _____
 Middle Initial: _____ State: _____ ZIP: _____
 Last Name: _____ Country: _____
☐ Crew ☐ Passenger ☐ Other

☐ Left
☐ Center
☐ Right
☐ Unknown
 Row: _____

☐ None
☐ Minor
☐ Serious
☐ Fatal
☐ Unknown

Available **Used**
☐ None ☐ None
☐ Lap Only ☐ Lap Only
☐ 3-point ☐ 3-point
☐ 4-point ☐ 4-point
☐ 5-point ☐ 5-point
☐ Unknown ☐ Unknown

☐ Not Installed
☐ Installed
☐ Not Deployed
☐ Deployed
☐ Unknown

☐ Under 5 years
 If Under 5,
☐ Child Restraint
☐ Lap-Held
☐ Unknown

First Name: _____ City: _____
 Middle Initial: _____ State: _____ ZIP: _____
 Last Name: _____ Country: _____
☐ Crew ☐ Passenger ☐ Other

☐ Left
☐ Center
☐ Right
☐ Unknown
 Row: _____

☐ None
☐ Minor
☐ Serious
☐ Fatal
☐ Unknown

Available **Used**
☐ None ☐ None
☐ Lap Only ☐ Lap Only
☐ 3-point ☐ 3-point
☐ 4-point ☐ 4-point
☐ 5-point ☐ 5-point
☐ Unknown ☐ Unknown

☐ Not Installed
☐ Installed
☐ Not Deployed
☐ Deployed
☐ Unknown

☐ Under 5 years
 If Under 5,
☐ Child Restraint
☐ Lap-Held
☐ Unknown

First Name: _____ City: _____
 Middle Initial: _____ State: _____ ZIP: _____
 Last Name: _____ Country: _____
☐ Crew ☐ Passenger ☐ Other

☐ Left
☐ Center
☐ Right
☐ Unknown
 Row: _____

☐ None
☐ Minor
☐ Serious
☐ Fatal
☐ Unknown

Available **Used**
☐ None ☐ None
☐ Lap Only ☐ Lap Only
☐ 3-point ☐ 3-point
☐ 4-point ☐ 4-point
☐ 5-point ☐ 5-point
☐ Unknown ☐ Unknown

☐ Not Installed
☐ Installed
☐ Not Deployed
☐ Deployed
☐ Unknown

☐ Under 5 years
 If Under 5,
☐ Child Restraint
☐ Lap-Held
☐ Unknown

FLIGHT ITINERARY INFORMATION

Last Departure Point

Airport ID: D95

City: LAPEER

State: MI

Country: USA

Time of Departure

Time: APPX 1030

Time Zone: EST

Destination

Airport ID: D98

City: ROMEO

State: MI

Country: USA

Type Flight Plan Filed

☒ None ☐ VFR/IFR
☐ Company VFR ☐ IFR
☐ Military VFR ☐ Unknown
☐ VFR
 Activated? ☐ Yes ☐ No ☐ Unknown

Type of ATC Clearance/Service (Check all that apply)

☐ None ☐ Special VFR ☐ Special IFR ☐ VFR Flight Following ☐ Cruise
☐ VFR ☐ IFR ☐ VFR On Top ☐ Traffic Advisory ☐ Unknown / NA

Airspace where the accident/incident occurred (Check all that apply)

☐ Class A ☒ Class G ☐ Military Operations Area (MOA) ☐ Special
☐ Class B ☐ Demo Area ☐ Airport Advisory Area ☐ Air Traffic Control Area
☐ Class C ☐ Warning Area ☐ Jet Training Area ☐ Unknown
☐ Class D ☐ Prohibited Area ☐ TRSA
☐ Class E ☐ Restricted Area ☐ FAR 93

Altitude of In-Flight Occurrence:

_____ ft msl

WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

Source of Pilot Weather Information

(Check all that apply)

☒ National Weather Service ☐ Company
☐ Flight Service Station ☐ Military
☐ TV/Radio ☐ Internet
☐ Automated Report ☐ None
☐ Commercial Weather Service (DUATS) ☐ Unknown
☐ On-Board Weather

Weather Observation Facility

Facility ID: KPTK
 Observation Time: APPROX 10:35
 Time Zone: EST
 Distance from Accident Site: 25 nm
 Direction from Accident Site: 203 degrees true

Basic Conditions

☒ VMC
☐ IMC
☐ Unknown

Light Condition

☐ Dawn ☐ Dusk ☐ Dark Night ☐ Unknown
☒ Day ☐ Night ☐ Bright Night

Sky/Lowest Cloud Condition

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

Ceiling

☐ None (Clear) ☐ Obscured
☐ Broken ☐ Indefinite
☒ Overcast ☐ Unknown

Temperature: 21 (C) or _____ (F)

Dew Point: 15 (C) or _____ (F)

Altimeter Setting: 29.98 in. Hg
 or _____ MB

Lowest Cloud Condition Height

3900 ft agl

Ceiling Height

21,000 ft agl

Wind Direction

☐ Variable

-or-
 Direction: 290 degrees true

Wind Speed

☐ Calm
☒ Light and Variable

-or-
 Speed: 4 kts

Wind Gusts

☒ Not Gusting

-or-
 Speed: _____ kts

Visibility 10 miles

RVR: _____ feet

RVV: _____ miles

Density Altitude: _____ ft

Intensity of Precipitation

☐ Light
☐ Moderate
☐ Heavy
☒ N/A
☐ Unknown

Type of Precipitation (Check all that apply)

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

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

Icing Forecast

Amount Type
☒ None ☐ N/A
☐ Trace ☐ Rime
☐ Light ☐ Clear
☐ Moderate ☐ Mixed
☐ Severe ☐ Unknown
☐ Unknown

Icing Actual

Amount Type
☒ None ☐ N/A
☐ Trace ☐ Rime
☐ Light ☐ Clear
☐ Moderate ☐ Mixed
☐ Severe ☐ Unknown
☐ Unknown

Turbulence

Type (Check all that apply) Severity
☒ None ☐ Light
☐ Clear Air ☐ Moderate
☐ Terrain-Induced ☐ Severe
☐ Convective Turbulence ☐ Extreme

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

DAMAGE TO AIRCRAFT AND OTHER PROPERTY**Aircraft Damage**

- ☐ None ☒ Substantial
☐ Minor ☐ Destroyed
 ☐ Unknown

Aircraft Fire

- ☒ None ☐ Both Ground and In-Flight
☐ In-Flight ☐ Fire at Unknown Time
☐ On-Ground ☐ Unknown

Aircraft Explosion

- ☒ None ☐ Both Ground and In-Flight
☐ In-Flight ☐ Explosion at Unknown Time
☐ On-Ground ☐ Unknown

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

TAIL ROTOR COVER AND TAIL DRIVE SHAFT SEVERED. STARFLEX CRACKED ON ONE BLADE SIDE. INVESTIGATION FOR ADDITIONAL DAMAGE IS ONGOING.

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 departure time and and location, services obtained, and intended destination. Provide as much detail as possible.

SEE ATTACHED DOCUMENTS SUBMITTED ON 9/17/2021.

RECOMMENDATION (How could this accident/incident have been prevented?)

Operator/Owner Safety Recommendation

MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on separate sheet)Was there Mechanical Malfunction/Failure? ☐ Yes ☒ No
(If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)Total Time/Cycles
On Part

_____ Hours

_____ Cycles

Time Since This Part
Inspected/Overhauled

_____ Hours

FUEL & SERVICES INFORMATIONFuel on Board at Last Takeoff
(Convert from pounds, as necessary)

75 _____ Gallons

Fuel Type

☐ 80/87☐ 115/145☐ Jet B☐ Other, specify _____☐ 100 Low Lead☒ Jet A☐ JP8☐ 100/130☐ Jet A-1☐ Automotive

Other Services, if Any, Prior to Departure

EVACUATION 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

BOTH PILOT AND COPILOT DOORS WERE OPENED. INSTR BARGET EXITED THE LEFT DOOR AND I EXITED THROUGH THE RIGHT.

OTHER AIRCRAFT – COLLISION (If air or ground collision occurred, complete this section for other aircraft)

Aircraft Registration Number

Manufacturer: _____

Model: _____

Damage to Other Aircraft

☐ Destroyed☐ Minor☐ Substantial☐ None

Registered Owner of Other Aircraft

Pilot of Other Aircraft

Name: _____

Name: _____

City: _____

City: _____

State: _____ ZIP: _____

State: _____ ZIP: _____

Country: _____

Country: _____

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

09/23/2021

mm/dd/yyyy

Name of Pilot/Operator: _____

Signature: _____

-- or --

☐ Check here to electronically sign this document

If a Person Other than Pilot/Operator is Filing Report

Name: JENNIFER A DOWNEYTitle: STUDENT PILOT/ DEPUTY SHERIFF

Signature: _____

-- or --

☒ Check here to electronically sign this document**FOR NTSB USE ONLY**

NTSB Accident/Incident No.

CEN21LA431

Reviewed by NTSB Regional Office

CENTRAL REGION

Name of Investigator

ANDREW TODD FOX

Date Report Received

23 SEP 2021

COUNTY OF OAKLAND
OFFICE OF THE SHERIFF

MICHAEL J. BOUCHARD



On 9/15/2021, at approximately 9:40am, Flight Instructor Bruce Barget and I took off from Oakland International Airport (KPTK), in Air 2 (N632SD), to commence flight training. First portion of the training was conducted at Lapeer Airport (D95) but due to the cloud clearance dropping in altitude it was decided that the rest of the training would be done at Romeo Airport (D98) due to clearer skies. We flew to Romeo Airport and continued with training. Instr. Barget stated we were going to set up for a 180 autorotation and he would demonstrate the procedure. We went to the proper altitude, set the speed to around 65-70 knots and began the emergency training procedure. Instr. Barget pulled the Fuel Control lever back and started the descent towards the spot picked on runway 36. The rotor RPMs were continually checked as we made our way to the runway making adjustments as needed. When we reached the altitude where we would normally flare, or slow down to a hover above the runway I could still hear a steady low rotor RPM horn and loss of power in the main rotor system. The helicopter was losing speed, Rotor RPMS, and was falling to the runway from around 20-25 feet. The helicopter's skids hit the runway, bounced once, and began the slide 20 -30 yards to wear it stopped forward movement. The helicopter then began to violently and rapidly rock, alternating back and forth from each skid. Instr. Barget continued attempts to maintain control of the helicopter. The main rotor eventually stopped rotating, bringing the helicopters movements to a complete stop. Instr. Barget exited the helicopter to assess the damage to the helicopter while I continued to shut down the rest of the controls. Before shutting off the power I made a final radio call to all airmen in Romeo's traffic/airspace advising that our helicopter was disabled on runway 36 so no one would attempt to land. Shortly after making the radio transmission, Romeo's General Manager began driving down the taxiway towards us in a marked airport vehicle. Instr. Barget advised the tail was damaged and to call it in to command.

JENNIFER DOLNEY

9-17-2021