

# 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: Ludlow State: CA  
ZIP: 92338 Country: U.S.A.  
Latitude: N34° 54.8 Longitude: W115° 47.7  
(Enter in decimal degrees or degrees:minutes:seconds)

### Accident/Incident Date/Time

Date: 06/30/2019 Local Time: 11:34  
mm/dd/yyyy Time Zone: UTC-7 PDT

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

## AIRCRAFT INFORMATION

Registration Number: N24580  
Manufacturer: Beechcraft  
Model: Sundowner  
Serial Number: M-1410  
Year of Manufacture: 1972  
Amateur-Built: ☐ Yes ☒ No If Yes: ☐ Kit/Plans ☐ Original Design Make: \_\_\_\_\_

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

Maximum Gross Weight: 2450 lbs  
Weight at Time of Accident/Incident: Est. 2155 lbs

Number of Seats: 4 Flight Crew Seats: 2  
Cabin Crew Seats: 0 Passenger Seats: 2  
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 ☐ Tailwheel  
☐ Amphibian ☐ High Skid  
☐ Emergency Float ☐ Skid  
☐ Float ☐ Ski  
☐ Hull ☐ Ski/Wheel  
☐ Other Launch/Recovery System  
☐ None ☐ Unknown

### Engine Type (Select one)

- ☒ Reciprocating ☐ Liquid Rocket  
☐ Turbo Shaft ☐ Solid Rocket  
☐ Turbo Prop ☐ Hybrid Rocket  
☐ Turbo Jet ☐ None  
☐ Turbo Fan ☐ Unknown  
☐ Electric

### Fuel System Type (Reciprocating)

- ☒ Carburetor ☐ Fuel-Injected

| Engine | Engine Manufacturer | Engine Model/Serial | Manufacturer's Serial Number | Date of Mfg. mm/dd/yyyy | Rated Power<br><input checked="" type="radio"/> Horsepower or<br><input type="radio"/> lbs of Thrust | Total Time (hours) | Time Since: Inspection (hours) | Overhaul (hours) |
|--------|---------------------|---------------------|------------------------------|-------------------------|------------------------------------------------------------------------------------------------------|--------------------|--------------------------------|------------------|
| Eng. 1 | Lycoming            | O-360-A4G           | L-16531-36A                  | 1972                    | 180                                                                                                  | 3892.99            |                                | 3.92             |
| Eng. 2 |                     |                     |                              |                         |                                                                                                      |                    |                                |                  |
| Eng. 3 |                     |                     |                              |                         |                                                                                                      |                    |                                |                  |
| Eng. 4 |                     |                     |                              |                         |                                                                                                      |                    |                                |                  |

### Last Inspection Type

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

Date Last Inspection: 06/27/2019  
mm/dd/yyyy

Airframe Total Time: 3889.37 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: Hand Held Extinguisher

### Propeller 1

- ☒ Fixed Pitch  
☐ Controllable Pitch  
☐ Ground Adjustable

Manufacturer: Sensenich  
Model: 76EM8S5-0-60

### Propeller 2

- ☐ Fixed Pitch  
☐ Controllable Pitch  
☐ Ground Adjustable

Manufacturer: \_\_\_\_\_  
Model: \_\_\_\_\_

ELT Installed: ☒ Yes ☐ No

If Yes:

ELT Manufacturer: ACK

Model or Part No.: E-04

TSO No.: ☐ C91 (121.5 MHz) ☐ C91a (121.5 MHz)  
☒ C126 (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: Tiger Capital, LLCCity: HelenaState: Montana ZIP: 59624Fractional Ownership Aircraft: ☐ Yes ☒ NoCountry: U.S.A.**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: No airport nearby

Distance From Airport Center: \_\_\_\_\_ sm

Airport Identifier: \_\_\_\_\_

Direction From Airport: \_\_\_\_\_ degrees true

Proximity to Airport: ☐ Off Airport/Airstrip ☐ On Airport/Airstrip ☒ N/A

Airport Elevation: \_\_\_\_\_ ft. msl

**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  
☐ 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 ☐ Aborted Landing (after touchdown)  
☐ Crosswind ☐ 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: Mark

City of Residence: Rancho Cucamonga

Middle Initial: D

State: California      ZIP: 91739

Last Name: DiLullo

Country: U.S.A.

Age at time of Accident/Incident: 55      Date of Birth: 1963      mm/dd/yyyy

Certificate Number:                     

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Degree of Injury</b><br><input checked="" type="radio"/> None <input type="radio"/> Fatal<br><input type="radio"/> Minor <input type="radio"/> Unknown<br><input type="radio"/> Serious                                                                                                                                                                                                                                                                                                      | <b>Seat Occupied</b><br><input checked="" type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Unknown<br><input type="radio"/> Right <input type="radio"/> Rear<br><input type="radio"/> Center <input type="radio"/> Single              | <b>Restraint Type</b><br><div> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap only<br/> <input type="radio"/> 3-point<br/> <input checked="" type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown </div> <div> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap only<br/> <input type="radio"/> 3-point<br/> <input checked="" type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown </div> | <b>Inflatable Restraints</b><br><input checked="" type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown |
| <b>Pilot Certificate(s)</b> (Check all that apply)<br><input type="checkbox"/> None <input checked="" type="checkbox"/> Flight Instructor <input type="checkbox"/> Commercial <input type="checkbox"/> US Military<br><input type="checkbox"/> Private <input type="checkbox"/> Recreational <input checked="" type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign<br><input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer |                                                                                                                                                                                                                                                             | <b>Medical Certificate Validity</b><br><input type="radio"/> Without limitations/waivers <input type="radio"/> Unknown<br><input checked="" type="radio"/> With limitations/waivers <input type="radio"/> N/A<br><input type="radio"/> Special Issuance                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                           |
| <b>Principal Occupation</b><br><input checked="" type="radio"/> Pilot<br><input type="radio"/> Other<br><input type="radio"/> Unknown                                                                                                                                                                                                                                                                                                                                                           | <b>Medical Certificate</b><br><input type="radio"/> None <input type="radio"/> Class 3<br><input checked="" type="radio"/> Class 1 <input type="radio"/> Driver's License (Sport Pilot only)<br><input type="radio"/> Class 2 <input type="radio"/> Unknown | <b>Date of Last Medical</b><br><u>06/04/2019</u><br>mm/dd/yyyy                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                           |

## Medical Certificate Limitations

Holder shall possess glasses for near/intermediate vision.

## Medical Certificate Special Issuance

Date of Last Flight Review  
or Equivalent, Including  
FAR 121/135 Checks:      02/01/2019  
mm/dd/yyyy

## Flight Review Aircraft

Make: Beechcraft

Model: King Air 350

|                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Airplane Rating(s)</b><br>(Check all that apply)<br><input type="checkbox"/> None<br><input checked="" type="checkbox"/> Single-Engine Land<br><input type="checkbox"/> Single-Engine Sea<br><input checked="" type="checkbox"/> Multiengine Land<br><input type="checkbox"/> Multiengine Sea | <b>Other Aircraft Rating(s)</b><br>(Check all that apply)<br><input type="checkbox"/> None<br><input type="checkbox"/> Airship<br><input type="checkbox"/> Balloon<br><input type="checkbox"/> Glider<br><input type="checkbox"/> Gyroplane<br><input type="checkbox"/> Helicopter<br><input type="checkbox"/> Powered Lift | <b>Instrument Rating(s)</b><br>(Check all that apply)<br><input type="checkbox"/> None<br><input checked="" type="checkbox"/> Airplane<br><input type="checkbox"/> Helicopter<br><input type="checkbox"/> Powered Lift | <b>Instructor Rating(s)</b><br>(Check all that apply)<br><input type="checkbox"/> None<br><input checked="" type="checkbox"/> Airplane Single-Engine<br><input checked="" type="checkbox"/> Airplane Multi-Engine<br><input type="checkbox"/> Gyroplane<br><input type="checkbox"/> Powered Lift<br><input checked="" type="checkbox"/> Instrument Airplane<br><input type="checkbox"/> Instrument Helicopter<br><input type="checkbox"/> Helicopter<br><input type="checkbox"/> Glider<br><input type="checkbox"/> Sport |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Type Ratings

B747-4, BE-300, BE-2000S, CE-500, CE-525S, CE-650, CE-750, CL-600, DA-10, DA-20,  
DA-50, EMB-500, EMB-505, G-100, G-1159, G-IV, G-V, G-VI, HS-125, IA-1125, IA-JET,  
LR-JET, N265, RA-390S  
AUTHORIZED EXPERIMENTAL: AV-L29, AV-L-39

## 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                                                  | 18,000       | 150               | 2,500                  | 15,500               | 3,600 | 2,800      | 105       | 0          | 0      | 0                |
| Pilot in Command (PIC)                                      | 17,800       | 150               | 2,440                  | 15,450               | 3,600 | 2,800      | 105       | 0          | 0      | 0                |
| Time as Instructor                                          | 1,990        | 20                | 1,770                  | 200                  | 100   | 20         | 0         | 0          | 0      | 0                |
| This Make/Model                                             |              |                   |                        |                      | 0     | 0          | 0         |            |        |                  |
| Last 90 Days                                                | 100          | 0                 | 28                     | 30                   | 0     | 0          | 0         | 0          | 0      | 0                |
| Last 30 Days                                                | 35           | 3                 | 18                     | 15                   | 0     | 0          | 0         | 0          | 0      | 0                |
| Last 24 Hours                                               | 1            | 1                 | 1                      | 0                    | 0     | 0          | 0         | 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: N/A

City of Residence: \_\_\_\_\_

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

**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**

\_\_\_\_ 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  
☐ Airplane Single-Engine  
☐ Airplane Multi-Engine  
☐ Gyroplane  
☐ Powered Lift

☐ Instrument Airplane  
☐ Instrument Helicopter  
☐ Helicopter  
☐ Glider  
☐ 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                                               |              |                   |                        |                      |       |            |           |            |        |                  |

| <b>ADDITIONAL FLIGHT CREWMEMBERS</b> (Exclusive of cabin crew, complete the following information)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                       |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                           |                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Crew Name and Address</b><br>First Name: <u>N/A</u> City of Residence: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                       |                                                                                                                                                                                        | <b>Seat Occupied</b><br><input type="radio"/> Left <input type="radio"/> Front<br><input type="radio"/> Center <input type="radio"/> Rear<br><input type="radio"/> Right <input type="radio"/> Single<br><input type="radio"/> Unknown                                                                                                                                                                                                                                                                                                                                                                                                    |  | <b>Injury</b><br><input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown                                                               |                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                   |
| <b>Pilot Certificate(s)</b> (Check all that apply)<br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"><input type="checkbox"/> None</div> <div style="width: 50%;"><input type="checkbox"/> Flight Instructor</div> <div style="width: 50%;"><input type="checkbox"/> Commercial</div> <div style="width: 50%;"><input type="checkbox"/> US Military</div> <div style="width: 50%;"><input type="checkbox"/> Private</div> <div style="width: 50%;"><input type="checkbox"/> Recreational</div> <div style="width: 50%;"><input type="checkbox"/> Airline Transport</div> <div style="width: 50%;"><input type="checkbox"/> Foreign</div> <div style="width: 50%;"><input type="checkbox"/> Student</div> <div style="width: 50%;"><input type="checkbox"/> Sport</div> <div style="width: 50%;"><input type="checkbox"/> Flight Engineer</div> </div> |  |                                                                                                                                                                       |                                                                                                                                                                                        | <b>Restraint Type:</b><br><div style="display: flex;"> <div style="width: 50%;"> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown             </div> <div style="width: 50%;"> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown             </div> </div>                      |  | <b>Inflatable Restraints</b><br><input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown            |                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                   |
| <b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                       | <b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                           |                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                   |
| <b>Crew Name and Address</b><br>First Name: _____ City of Residence: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                       |                                                                                                                                                                                        | <b>Seat Occupied</b><br><input type="radio"/> Left <input type="radio"/> Front<br><input type="radio"/> Center <input type="radio"/> Rear<br><input type="radio"/> Right <input type="radio"/> Single<br><input type="radio"/> Unknown                                                                                                                                                                                                                                                                                                                                                                                                    |  | <b>Injury</b><br><input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown                                                               |                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                   |
| <b>Pilot Certificate(s)</b> (Check all that apply)<br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"><input type="checkbox"/> None</div> <div style="width: 50%;"><input type="checkbox"/> Flight Instructor</div> <div style="width: 50%;"><input type="checkbox"/> Commercial</div> <div style="width: 50%;"><input type="checkbox"/> US Military</div> <div style="width: 50%;"><input type="checkbox"/> Private</div> <div style="width: 50%;"><input type="checkbox"/> Recreational</div> <div style="width: 50%;"><input type="checkbox"/> Airline Transport</div> <div style="width: 50%;"><input type="checkbox"/> Foreign</div> <div style="width: 50%;"><input type="checkbox"/> Student</div> <div style="width: 50%;"><input type="checkbox"/> Sport</div> <div style="width: 50%;"><input type="checkbox"/> Flight Engineer</div> </div> |  |                                                                                                                                                                       |                                                                                                                                                                                        | <b>Restraint Type:</b><br><div style="display: flex;"> <div style="width: 50%;"> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown             </div> <div style="width: 50%;"> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown             </div> </div>                      |  | <b>Inflatable Restraints</b><br><input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown            |                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                   |
| <b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                       | <b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                           |                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                   |
| <b>PASSENGER(S) / OTHER PERSONNEL</b> (Include cabin crew; continue on separate sheet if necessary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                       |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                           |                                                                                                                                                                                 |                                                                                                                                                                                                |                                                                                                                                                                   |
| <b>Name and Address</b><br>First Name: <u>Lisa</u> City: <u>Rancho Cucamonga</u><br>Middle Initial: <u>M.</u> State: <u>CA</u> ZIP: <u>91739</u><br>Last Name: <u>Dilullo</u> Country: <u>U.S.A.</u><br><div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="radio"/> Crew</span> <span><input checked="" type="radio"/> Passenger</span> <span><input type="radio"/> Other</span> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>Seat</b><br><input type="radio"/> Left<br><input type="radio"/> Center<br><input checked="" type="radio"/> Right<br><input type="radio"/> Unknown<br>Row: <u>1</u> | <b>Injury</b><br><input checked="" type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown | <b>Restraint Type</b><br><div style="display: flex;"> <div style="width: 50%;"> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input checked="" type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown             </div> <div style="width: 50%;"> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input checked="" type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown             </div> </div> |  | <b>Inflatable Restraints</b><br><input checked="" type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown | <b>Age</b><br><input type="checkbox"/> Under 5 years<br>If Under 5,<br><input type="radio"/> Child Restraint<br><input type="radio"/> Lap-Held<br><input type="radio"/> Unknown |                                                                                                                                                                                                |                                                                                                                                                                   |
| First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____<br><div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="radio"/> Crew</span> <span><input type="radio"/> Passenger</span> <span><input type="radio"/> Other</span> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | <input type="radio"/> Left<br><input type="radio"/> Center<br><input type="radio"/> Right<br><input type="radio"/> Unknown<br>Row: _____                              | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown                             | <b>Available</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <b>Used</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown                           |                                                                                                                                                                                 | <input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown | <input type="checkbox"/> Under 5 years<br>If Under 5,<br><input type="radio"/> Child Restraint<br><input type="radio"/> Lap-Held<br><input type="radio"/> Unknown |
| First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____<br><div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="radio"/> Crew</span> <span><input type="radio"/> Passenger</span> <span><input type="radio"/> Other</span> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | <input type="radio"/> Left<br><input type="radio"/> Center<br><input type="radio"/> Right<br><input type="radio"/> Unknown<br>Row: _____                              | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown                             | <b>Available</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <b>Used</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown                           |                                                                                                                                                                                 | <input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown | <input type="checkbox"/> Under 5 years<br>If Under 5,<br><input type="radio"/> Child Restraint<br><input type="radio"/> Lap-Held<br><input type="radio"/> Unknown |
| First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____<br><div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="radio"/> Crew</span> <span><input type="radio"/> Passenger</span> <span><input type="radio"/> Other</span> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | <input type="radio"/> Left<br><input type="radio"/> Center<br><input type="radio"/> Right<br><input type="radio"/> Unknown<br>Row: _____                              | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown                             | <b>Available</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <b>Used</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown                           |                                                                                                                                                                                 | <input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown | <input type="checkbox"/> Under 5 years<br>If Under 5,<br><input type="radio"/> Child Restraint<br><input type="radio"/> Lap-Held<br><input type="radio"/> Unknown |

# FLIGHT ITINERARY INFORMATION

|                                                                                                                              |                                                                            |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Last Departure Point</b><br>Airport ID: <u>KEED</u><br>City: <u>Needles</u><br>State: <u>CA</u><br>Country: <u>U.S.A.</u> | <b>Time of Departure</b><br>Time: <u>10:55 am</u><br>Time Zone: <u>PDT</u> | <b>Destination</b><br>Airport ID: <u>KCNO</u><br>City: <u>CHINO</u><br>State: <u>CA</u><br>Country: <u>U.S.A.</u> | <b>Type Flight Plan Filed</b><br><input checked="" type="radio"/> None <input type="radio"/> VFR/IFR<br><input type="radio"/> Company VFR <input type="radio"/> IFR<br><input type="radio"/> Military VFR <input type="radio"/> Unknown<br><input type="radio"/> VFR<br>Activated? <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                             |                                      |                                      |                                               |                                       |
|-------------------------------------------------------------|--------------------------------------|--------------------------------------|-----------------------------------------------|---------------------------------------|
| <b>Type of ATC Clearance/Service</b> (Check all that apply) |                                      |                                      |                                               |                                       |
| <input checked="" type="checkbox"/> None                    | <input type="checkbox"/> Special VFR | <input type="checkbox"/> Special IFR | <input type="checkbox"/> VFR Flight Following | <input type="checkbox"/> Cruise       |
| <input type="checkbox"/> VFR                                | <input type="checkbox"/> IFR         | <input type="checkbox"/> VFR On Top  | <input type="checkbox"/> Traffic Advisory     | <input type="checkbox"/> Unknown / NA |

|                                                                             |                                             |                                                         |                                                             |
|-----------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|
| <b>Airspace where the accident/incident occurred</b> (Check all that apply) |                                             |                                                         | <b>Altitude of In-Flight Occurrence:</b> <u>6000</u> ft msl |
| <input type="checkbox"/> Class A                                            | <input checked="" type="checkbox"/> Class G | <input type="checkbox"/> Military Operations Area (MOA) | <input type="checkbox"/> Special                            |
| <input type="checkbox"/> Class B                                            | <input type="checkbox"/> Demo Area          | <input type="checkbox"/> Airport Advisory Area          | <input type="checkbox"/> Air Traffic Control Area           |
| <input type="checkbox"/> Class C                                            | <input type="checkbox"/> Warning Area       | <input type="checkbox"/> Jet Training Area              | <input type="checkbox"/> Unknown                            |
| <input type="checkbox"/> Class D                                            | <input type="checkbox"/> Prohibited Area    | <input type="checkbox"/> TRSA                           |                                                             |
| <input type="checkbox"/> Class E                                            | <input type="checkbox"/> Restricted Area    | <input type="checkbox"/> FAR 93                         |                                                             |

## WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

|                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Source of Pilot Weather Information</b><br>(Choose all that apply)                                                                                                                                                                                                                                         | <b>Weather Observation Facility</b><br>Facility ID: <u>KEED ASOS</u><br>Observation Time: <u>10:50AM</u><br>Time Zone: <u>PDT UTC-7</u><br>Distance from Accident Site: <u>75</u> nm<br>Direction from Accident Site: <u>259</u> degrees true |
| <input checked="" type="checkbox"/> National Weather Service<br><input type="checkbox"/> Flight Service Station<br><input type="checkbox"/> TV/Radio<br><input type="checkbox"/> Automated Report<br><input type="checkbox"/> Commercial Weather Service (DUATS)<br><input type="checkbox"/> On-Board Weather | <input type="checkbox"/> Company<br><input type="checkbox"/> Military<br><input type="checkbox"/> Internet<br><input type="checkbox"/> None<br><input type="checkbox"/> Unknown                                                               |

|                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Basic Conditions</b><br><input checked="" type="radio"/> VMC<br><input type="radio"/> IMC<br><input type="radio"/> Unknown                                                                                                                                                                                                                        | <b>Light Condition</b><br><input type="radio"/> Dawn <input type="radio"/> Dusk <input type="radio"/> Dark Night <input type="radio"/> Unknown<br><input checked="" type="radio"/> Day <input type="radio"/> Night <input type="radio"/> Bright Night                    |
| <b>Sky/Lowest Cloud Condition</b><br><input checked="" type="radio"/> Clear <input type="radio"/> Thin Broken<br><input type="radio"/> Few <input type="radio"/> Thin Overcast<br><input type="radio"/> Partial Obscuration <input type="radio"/> Unknown<br><input type="radio"/> Scattered<br><b>Lowest Cloud Condition Height</b><br>_____ ft agl | <b>Ceiling</b><br><input checked="" type="radio"/> None (Clear) <input type="radio"/> Obscured<br><input type="radio"/> Broken <input type="radio"/> Indefinite<br><input type="radio"/> Overcast <input type="radio"/> Unknown<br><b>Ceiling Height</b><br>_____ ft agl |
| <b>Wind Direction</b><br><input checked="" type="checkbox"/> Variable<br>- or -<br>Direction: _____ degrees true                                                                                                                                                                                                                                     | <b>Wind Speed</b><br><input checked="" type="checkbox"/> Calm<br><input type="checkbox"/> Light and Variable<br>- or -<br>Speed: _____ kts                                                                                                                               |
| <b>Wind Gusts</b><br><input checked="" type="checkbox"/> Not Gusting<br>- or -<br>Speed: _____ kts                                                                                                                                                                                                                                                   | <b>Temperature:</b> _____ (C) or <u>105</u> (F)<br><b>Dew Point:</b> _____ (C) or _____ (F)<br><b>Altimeter Setting:</b> <u>30.00</u> in. Hg<br>or _____ MB                                                                                                              |

|                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Intensity of Precipitation</b><br><input type="radio"/> Light<br><input type="radio"/> Moderate<br><input type="radio"/> Heavy<br><input checked="" type="radio"/> N/A<br><input type="radio"/> Unknown | <b>Type of Precipitation</b> (Check all that apply)<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Drizzle <input type="checkbox"/> Freezing Rain<br><input type="checkbox"/> Rain <input type="checkbox"/> Ice Pellets <input type="checkbox"/> Snow Shower<br><input type="checkbox"/> Snow <input type="checkbox"/> Snow Pellets <input type="checkbox"/> Ice Pellets Shower<br><input type="checkbox"/> Hail <input type="checkbox"/> Snow Grains <input type="checkbox"/> Freezing Drizzle<br><input type="checkbox"/> Rain Showers <input type="checkbox"/> Ice Crystals | <b>Restriction to Visibility</b> (Check all that apply)<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Fog<br><input type="checkbox"/> Blowing Dust <input type="checkbox"/> Ground Fog<br><input type="checkbox"/> Blowing Sand <input type="checkbox"/> Haze<br><input type="checkbox"/> Blowing Snow <input type="checkbox"/> Ice Fog<br><input type="checkbox"/> Blowing Spray <input type="checkbox"/> Smoke<br><input type="checkbox"/> Dust <input type="checkbox"/> Unknown |
| <b>Visibility</b> <u>10+</u> miles<br>RVR: _____ feet<br>RVV: _____ miles<br><b>Density Altitude:</b> <u>5100</u> ft                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

|                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Intensity of Precipitation</b><br><input type="radio"/> Light<br><input type="radio"/> Moderate<br><input type="radio"/> Heavy<br><input checked="" type="radio"/> N/A<br><input type="radio"/> Unknown | <b>Type of Precipitation</b> (Check all that apply)<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Drizzle <input type="checkbox"/> Freezing Rain<br><input type="checkbox"/> Rain <input type="checkbox"/> Ice Pellets <input type="checkbox"/> Snow Shower<br><input type="checkbox"/> Snow <input type="checkbox"/> Snow Pellets <input type="checkbox"/> Ice Pellets Shower<br><input type="checkbox"/> Hail <input type="checkbox"/> Snow Grains <input type="checkbox"/> Freezing Drizzle<br><input type="checkbox"/> Rain Showers <input type="checkbox"/> Ice Crystals | <b>Restriction to Visibility</b> (Check all that apply)<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Fog<br><input type="checkbox"/> Blowing Dust <input type="checkbox"/> Ground Fog<br><input type="checkbox"/> Blowing Sand <input type="checkbox"/> Haze<br><input type="checkbox"/> Blowing Snow <input type="checkbox"/> Ice Fog<br><input type="checkbox"/> Blowing Spray <input type="checkbox"/> Smoke<br><input type="checkbox"/> Dust <input type="checkbox"/> Unknown |
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|                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Icing Forecast</b><br>Amount Type<br><input checked="" type="radio"/> None <input checked="" type="radio"/> N/A<br><input type="radio"/> Trace <input type="radio"/> Rime<br><input type="radio"/> Light <input type="radio"/> Clear<br><input type="radio"/> Moderate <input type="radio"/> Mixed<br><input type="radio"/> Severe <input type="radio"/> Unknown<br><input type="radio"/> Unknown | <b>Icing Actual</b><br>Amount Type<br><input checked="" type="radio"/> None <input checked="" type="radio"/> N/A<br><input type="radio"/> Trace <input type="radio"/> Rime<br><input type="radio"/> Light <input type="radio"/> Clear<br><input type="radio"/> Moderate <input type="radio"/> Mixed<br><input type="radio"/> Severe <input type="radio"/> Unknown<br><input type="radio"/> Unknown | <b>Turbulence</b><br>Type (Check all that apply) Severity<br><input type="checkbox"/> None <input checked="" type="checkbox"/> Light<br><input type="checkbox"/> Clear Air <input type="checkbox"/> Moderate<br><input type="checkbox"/> Terrain-Induced <input type="checkbox"/> Severe<br><input checked="" type="checkbox"/> Convective Turbulence <input type="checkbox"/> Extreme |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

NONE KNOWN

**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)*

During the landing all three gear separated. Both wings suffered minor leading edge damage. The windshield cracked. The cowling was forced aft and the firewall suffered deformation at mounting points. The lower structures (wings and fuselage) of the aircraft suffered impact damage. The engine seized (prior to impact due to oil loss). The propeller bent when contacting ground.

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

The aircraft arrived in Needles, CA on 6/28/19.

A thorough pre-flight was conducted (aircraft recently returned to service). No anomalies or leaks were noted.

On 6/30/19 at approximately 10:30 local time the aircraft was pre-flighted and readied for departure. The engine oil level was at 6.5 quarts (8 qt. system). 1 qt. of oil was added and the dipstick indicated 7.5+. No fuel was added.

Takeoff from Runway 29 and climb out to 6000' was uneventful.

The intended destination was Chino, CA (KCNO).

During cruise flight it was noted that there was a faint smell of burning paint.

The aircraft engine was recently overhauled with approximately 4 hours of time in service. The burning smell indicated that the engine had reached a temperature capable of burning paint, which indicated an overheat condition (as all paint should have been cured during the ground runs prior to entry to service).

I immediately looked at all the instrumentation and noted the following.

At first all indications appeared normal. Within 10 seconds the oil pressure went to zero and the RPM decayed to approximately 2100. At that point the engine locked/seized within 30 seconds of the first indication. Oil temperature appeared to be normal. I advised the passenger (my wife) to prepare for an off field landing.

Using the GPS, I determined my exact position (bearing and distance from Hector VOR) and transmitted a mayday call, in the blind, on Guard (121.5). An airline pilot relayed my report to ATC. Within three minutes of the initial indications the aircraft was on the desert floor following a controlled landing. Just prior to touchdown the aircraft was configured with full flaps. Prior to touching, the stall warning horn activated. Impact felt reasonable, however, the three landing gear separated from the aircraft immediately due to the high drag assumably caused by the terrain.

The ELT immediately activated and functioned normally. Communications on Guard continued normally. We were able to easily egress the aircraft. No injuries were sustained.

I took inventory of the aircraft and the immediate situation once I was sure that ATC was properly notified and updated and confident first responders were enroute. The aircraft carries approximately 57 gallons of fuel. At the time of the accident, 32.5 gallons remained.

Evidence of oil loss was visible on lower left side of fuselage. No oil appeared on the dipstick (which was properly secured). Verizon cellphone functioned normally and was continuously used to communicate with others.

Sheriffs/fire helicopter arrived 1.5 hours following first contact.

Aircraft appears to be beyond economic repair and will be written off

**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

3892.99 Hours  
\_\_\_\_\_ Cycles

Time Since This Part  
Inspected/Overhauled

3.92 Hours  
\_\_\_\_\_

**FUEL & SERVICES INFORMATION**

Fuel on Board at Last Takeoff  
(Convert from pounds, as necessary)

40.8 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 AIRCRAFT**Was an emergency evacuation of the aircraft performed? ☒ Yes ☐ No

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

Doors

**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

Name: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Country: \_\_\_\_\_

Pilot of Other Aircraft

Name: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ ZIP: \_\_\_\_\_

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

07/08/2019

mm/dd/yyyy

Name of Pilot/Operator: Mark D. DiLullo

Signature

-- or --



Check here to electronically sign this document

Pilot N124580

If a Person Other than Pilot/Operator is Filing Report

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

-- or --



Check here to electronically sign this document

**FOR NTSB USE ONLY**

NTSB Accident/Incident No.

WPR19LA187

Reviewed by NTSB Regional Office

OAS WPR

Name of Investigator

SMITH, M.

Date Report Received

7/8/19