

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: KEOKUKLAND State: CA
 ZIP: 94621 Country: USA
 Latitude: N 37 43.3 Longitude: W 122 13.3
(Enter in decimal degrees or degrees:minutes:seconds)

Accident/Incident Date/Time

Date: 09/23/2014 Local Time: 2002
mm/dd/yyyy Time Zone: PST

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

AIRCRAFT INFORMATION

Registration Number: N774MF
 Manufacturer: PIPER
 Model: PA31T-II
 Serial Number: _____
 Year of Manufacture: _____
 Amateur-Built: ☐ Yes ☒ No If Yes: ☐ Kit/Plans ☐ Original Design Make: _____

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

Maximum Gross Weight: 9000 lbs
 Weight at Time of Accident/Incident: 8300 lbs
 Number of Seats: 4 Flight Crew Seats: 2
 Cabin Crew Seats: 2 Passenger Seats: 1 STRUTCH
 Number of Engines: TWO

Category of Aircraft ☒ Airplane ☐ Balloon ☐ Blimp/Dirigible ☐ Glider ☐ Gyroplane ☐ Helicopter ☐ Powered Lift ☐ Rocket ☐ Ultralight ☐ Unknown	Type of Airworthiness Certificate <i>(Check all that apply)</i> <table style="width: 100%;"> <tr> <th style="text-align: left;">Standard</th> <th style="text-align: left;">Special</th> </tr> <tr> <td>☒ Normal</td> <td>☐ Restricted</td> </tr> <tr> <td>☐ Aerobatic</td> <td>☐ Limited</td> </tr> <tr> <td>☐ Balloon</td> <td>☐ Provisional</td> </tr> <tr> <td>☐ Commuter</td> <td>☐ Special Flight</td> </tr> <tr> <td>☐ Transport</td> <td>☐ Experimental</td> </tr> <tr> <td>☐ Utility</td> <td>☐ Special Light-Sport</td> </tr> <tr> <td></td> <td>☐ Experimental Light-Sport</td> </tr> </table> ☐ Certificate of Authorization or Waiver (COA) ☐ None ☐ Unknown	Standard	Special	☒ Normal	☐ Restricted	☐ Aerobatic	☐ Limited	☐ Balloon	☐ Provisional	☐ Commuter	☐ Special Flight	☐ Transport	☐ Experimental	☐ Utility	☐ Special Light-Sport		☐ Experimental Light-Sport	Landing Gear <i>(Check all that apply)</i> ☒ 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
Standard	Special																		
☒ Normal	☐ Restricted																		
☐ Aerobatic	☐ Limited																		
☐ Balloon	☐ Provisional																		
☐ Commuter	☐ Special Flight																		
☐ Transport	☐ Experimental																		
☐ Utility	☐ Special Light-Sport																		
	☐ Experimental Light-Sport																		

Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. <i>mm/dd/yyyy</i>	Rated Power ☐ Horsepower or ☐ lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours) Overhaul (hours)
Eng. 1	<u>PAW CANADA</u>	<u>PT6-28</u>					
Eng. 2	<u>W</u>	<u>PT6-28</u>					
Eng. 3							
Eng. 4							

Last Inspection Type ☐ 100-Hour ☐ Continuous Airworthiness ☐ AAIP ☐ Conditional Inspection ☐ Annual ☐ Unknown Date Last Inspection: _____ <i>mm/dd/yyyy</i> Airframe Total Time: _____ hrs hours measured at <i>(Select one)</i> ☐ Last Inspection ☐ Time of Accident/Incident	Propeller 1 ☐ Fixed Pitch ☒ Controllable Pitch ☐ Ground Adjustable Manufacturer: _____ Model: _____ Propeller 2 ☐ Fixed Pitch ☒ Controllable Pitch ☐ Ground Adjustable Manufacturer: _____ Model: _____	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 <u>RADAR</u> ☐ Satellite Tracking Device ☐ Self-Recording Device ☐ Video Recording Device ☒ Other, Specify: <u>GARMIN 530/430</u>
Type of Maintenance Program (Select one) ☐ Annual ☐ Conditional (Amateur-built only) ☐ Manufacturer's Inspection Program ☐ Other Approved Inspection Program (AAIP) ☐ Continuous Airworthiness ☐ Other, specify: <u>180 HR 50 HR</u>	ELT Installed: ☒ Yes ☐ No If Yes: ELT Manufacturer: _____ Model or Part No.: _____ TSO No.: ☐ OC91 (121.5 MHz) ☐ OC91a (121.5 MHz) ☐ OC126 (406 MHz) Was ELT still mounted in aircraft? ☐ Yes ☐ No Was ELT still connected to antenna? ☐ Yes ☐ No Did ELT Activate? ☐ Yes ☐ No If activated: Did ELT Aid in Locating Aircraft? ☐ Yes ☐ No If not activated: Indicate Reason: ☐ Impact Damage ☐ Fire Damage ☐ Battery Expired/Damaged ☐ Unknown	
Description of Fire Extinguishing System ☒ None ☐ Specify: _____		

OWNER/OPERATOR INFORMATION**Registered Aircraft Owner**

Name: _____

City: _____

State: _____ ZIP: _____

Country: _____

Fractional Ownership Aircraft: ☐ Yes ☐ No**Operator of Aircraft**☐ Same As Registered Owner☐ Same Address as Registered OwnerName: AMERICAN MED FLIGHT

City: _____

State: _____ ZIP: _____

Country: _____

Doing Business As: _____

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

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: OAKLAND

Distance From Airport Center: _____ sm

Airport Identifier: KOAK

Direction From Airport: _____ degrees true

Proximity to Airport: ☐ Off Airport/Airstrip ☒ On Airport/Airstrip ☐ N/AAirport Elevation: 9 ft. msl**Runway Information**Runway ID: 28R (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
☐ IACAN ☐ 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 ☐ Precision 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: CONRAD City of Residence: SOUTH BEND
 Middle Initial: J State: IN ZIP: 46615
 Last Name: PILLAI Country: USA
 Age at time of Accident/Incident: 67 Date of Birth: [REDACTED] 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		Medical Certificate Validity ☐ Without limitations/waivers ☐ Unknown ☒ With limitations/waivers ☐ N/A ☐ Special Issuance	
Principal Occupation ☒ Pilot ☐ Other ☐ Unknown	Medical Certificate ☐ None ☐ Class 3 ☒ Class 1 ☐ Driver's License (Sport Pilot only) ☐ Class 2 ☐ Unknown	Date of Last Medical <u>07/30/2014</u> mm/dd/yyyy	

Medical Certificate Limitations WEAR MUST HAVE AVAILABLE GLASSES FOR NEAR VISION

Medical Certificate Special Issuance

Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks: 04/08/2014
 mm/dd/yyyy

Flight Review Aircraft

Make: PA31T-II
 Model: T-II (PAY2)

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
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Type Ratings SA 227, C-500, B727

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	17718	239	929	16773	E6000	E4000	500	15		
Pilot in Command (PIC)	9614	238	E800	E8800	6000	E3300	-			
Time as Instructor	E250	-	E750	E50			E300			
This Make/Model										
Last 90 Days		34		36						
Last 30 Days		13		13						
Last 24 Hours		7		7						

E = Estimated

"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: _____ 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	Used
☐ None	☐ None
☐ Lap only	☐ Lap only
☐ 3-point	☐ 3-point
☐ 4-point	☐ 4-point
☐ 5-point	☐ 5-point
☐ Unknown	☐ Unknown

Inflatable Restraints

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

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

Type Ratings

Student Endorsements (Include dates)

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

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

Crew Name and Address

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

Seat Occupied

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

Injury

☐ None
☐ Minor
☐ Serious
☐ Fatal
☐ Unknown

Pilot Certificate(s) (Check all that apply)

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

Restraint Type:

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

Inflatable Restraints

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

Type Rating/Endorsement for

Accident/Incident Aircraft? ☐ Yes ☐ No

Total Flight Time at the Time

of this Accident/Incident: _____ hrs

Crew Name and Address

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

Seat Occupied

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

Injury

☐ None
☐ Minor
☐ Serious
☐ Fatal
☐ Unknown

Pilot Certificate(s) (Check all that apply)

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

Restraint Type:

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

Inflatable Restraints

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

Type Rating/Endorsement for

Accident/Incident Aircraft? ☐ Yes ☐ No

Total Flight Time at the Time

of this Accident/Incident: _____ hrs

PASSENGER(S) / OTHER PERSONNEL (Include cabin crew; continue on separate sheet if necessary)

Name and Address

First Name: LORI (NURSE) City: _____
 Middle Initial: _____ State: _____ ZIP: _____
 Last Name: VANNYIS Country: _____
☒ Crew ☐ Passenger ☐ Other

Seat

☒ Left
☐ Center
☐ Right
☐ Unknown
 Row: 1

Injury

☒ None
☐ Minor
☐ Serious
☐ Fatal
☐ Unknown

Restraint Type

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

Inflatable Restraints

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

Age

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

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

☒ Left
☐ Center
☐ Right
☐ Unknown
 Row: 5

☒ None
☐ Minor
☐ Serious
☐ Fatal
☐ Unknown

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

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

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

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

☐ Left
☐ Center
☒ Right
☐ Unknown
 Row: _____

☒ None
☐ Minor
☐ Serious
☐ Fatal
☐ Unknown

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

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

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

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

☐ Left
☐ Center
☐ Right
☐ Unknown
 Row: _____

☐ None
☐ Minor
☐ Serious
☐ Fatal
☐ Unknown

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

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

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

FLIGHT ITINERARY INFORMATION				
Last Departure Point Airport ID: <u>KRNO</u> City: <u>RENO</u> State: <u>NV</u> Country: <u>USA</u>		Time of Departure Time: <u>1655</u> Time Zone: <u>PACIFIC</u>		Destination Airport ID: <u>KOAK</u> City: <u>OAKLAND</u> State: <u>CA</u> Country: <u>USA</u>
Type Flight Plan Filed ☐ None ☐ Company VFR ☐ Military VFR ☐ VFR ☐ VFR/IFR ☒ IFR ☐ Unknown Activated? ☐ Yes ☐ No ☐ Unknown				
Type of ATC Clearance/Service (Check all that apply) ☐ None ☐ VFR ☐ Special VFR ☒ IFR ☐ Special IFR ☐ VFR On Top ☐ VFR Flight Following ☐ Traffic Advisory ☐ Cruise ☐ Unknown / NA				
Airspace where the accident/incident occurred (Check all that apply) ☐ Class A ☐ Class B ☐ Class C ☐ Class D ☐ Class E ☐ Class G ☐ Demo Area ☐ Warning Area ☐ Prohibited Area ☐ Restricted Area ☐ Military Operations Area (MOA) ☐ Airport Advisory Area ☐ Jet Training Area ☐ TRSA ☐ FAR 93 Altitude of In-Flight Occurrence: _____ ft msl				
WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE				
Source of Pilot Weather Information <i>(Check all that apply)</i> ☐ National Weather Service ☐ Flight Service Station ☐ TV/Radio ☐ Automated Report ☒ Commercial Weather Service (DUATS) ☐ On-Board Weather ☐ Company ☐ Military ☒ Internet <u>FLY PLAN . COM</u> ☐ None ☐ Unknown			Weather Observation Facility Facility ID: <u>KOAK</u> Observation Time: _____ Time Zone: _____ Distance from Accident Site: _____ nm Direction from Accident Site: _____ degrees true	
Basic Conditions ☐ VMC ☒ IMC ☐ Unknown		Light Condition ☐ Dawn ☐ Day ☐ Dusk ☒ Night ☐ Dark Night ☐ Bright Night ☐ Unknown		
Sky/Lowest Cloud Condition ☐ Clear ☐ Few ☐ Partial Obscuration ☐ Scattered ☐ Thin Broken ☐ Thin Overcast ☐ Unknown Lowest Cloud Condition Height <u>1000</u> ft agl		Ceiling ☐ None (Clear) ☒ Broken ☐ Overcast ☐ Obscured ☐ Indefinite ☐ Unknown Ceiling Height <u>1000</u> ft agl		
Wind Direction ☐ Variable -or- Direction: _____ degrees true		Wind Speed ☐ Calm ☐ Light and Variable -or- Speed: _____ kts		
Intensity of Precipitation ☐ Light ☐ Moderate ☐ Heavy ☐ N/A ☐ Unknown		Type of Precipitation (Check all that apply) ☒ None ☐ Rain ☐ Snow ☐ Hail ☐ Rain Showers ☐ Drizzle ☐ Ice Pellets ☐ Snow Pellets ☐ Snow Grains ☐ Ice Crystals ☐ Freezing Rain ☐ Snow Shower ☐ Ice Pellets Shower ☐ Freezing Drizzle		
Restriction to Visibility (Check all that apply) ☒ None ☐ Blowing Dust ☐ Blowing Sand ☐ Blowing Snow ☐ Blowing Spray ☐ Dust ☐ Fog ☐ Ground Fog ☐ Haze ☐ Ice Fog ☐ Smoke ☐ Unknown				
Icing Forecast Amount ☒ None ☐ Trace ☐ Light ☐ Moderate ☐ Severe ☐ Unknown Type ☐ N/A ☐ Rime ☐ Clear ☐ Mixed ☐ Unknown		Icing Actual Amount ☒ None ☐ Trace ☐ Light ☐ Moderate ☐ Severe ☐ Unknown Type ☐ N/A ☐ Rime ☐ Clear ☐ Mixed ☐ Unknown		
Turbulence Type (Check all that apply) ☐ None ☐ Clear Air ☐ Terrain-Induced ☐ Convective Turbulence Severity ☒ Light ☐ Moderate ☐ Severe ☐ Extreme				
NOTAMS (D and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident: 				

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

- ☐ None ☒ Substantial
☐ Minor ☐ Destroyed
☐ Unknown

Aircraft Fire

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

Aircraft Explosion

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

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

RUNWAY LIGHTS: AIRCRAFT LANDED ON ITS ENGINE PODS AND FLAPS. INBOARD LEADING EDGE ON RIGHT STRUCK A RUNWAY LIGHTS AIRCRAFT FUEL TANKS WERE INTACT WITH NO LEAKAGE AND NO FIRE

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.

SEE ATTACHED I & II

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

Operator/Owner Safety Recommendation

SEE ATTACHED I

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.)

DONT KNOW

Total Time/Cycles
On Part

_____ Hours

_____ Cycles

Time Since This Part
Inspected/Overhauled

_____ Hours

FUEL & SERVICES INFORMATION

Fuel on Board at Last Takeoff

(Convert from pounds, as necessary)

2100 lbs

Gallons—

Fuel Type

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

Other Services, if Any, Prior to Departure

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

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

MAIN CABIN DOOR

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

Aircraft Registration Number

N177

Manufacturer: _____

Model: _____

Damage to Other Aircraft

☐ Destroyed☐ Substantial☐ Minor☐ None

Registered Owner of Other Aircraft

Name: _____

City: _____

State: _____

Country: _____

ZIP: _____

Pilot of Other Aircraft

Name: _____

City: _____

State: _____

Country: _____

ZIP: _____

ADDITIONAL INFORMATION (Please type or print in ink)

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

STRESSORS: & DEATH IN FAMILY (SPOUSE'S DAD)
A MONTH BACK,

& HAY FEVER

& AIRCRAFT CHANGE WITH SLIGHTLY
DIFFERENT INDICATIONS

& IFR & ILS APPROACH (VERY FEW
ILS'S DONE IN LAST 6 MONTHS)

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

Date of this Report

09/27/2014
mm/dd/yyyy

Name of Pilot/Operator

CONRAD PILLAY

Signature: _____

-- or -- ☐ Check here to electronically sign this document

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.
WPR14CA391Reviewed by NTSB Regional Office
WPRName of Investigator
Zoë KeliherDate Report Received
09.27.14

I started a Medavac Flight 774MF KRNO to KOAK with a VA patient and med crew, on September 23rd, 2014 evening at 1855 Pacific. At 2002 I landed at KOAK wheels up.

In cruise while doing a cruise check I also do a hydraulic check, by taking the gear lever handle up from the neutral bar. I noticed it stayed up.

On arrival in the vicinity of Oakland, I selected VLOC and the 28R ILS on #1 and 2 Navs, after ID I noticed indications on the electronic HSI were different to that of N775MF which was the usual plane from Susanville, CA (KSVE) where I was based. The HSI gauge on the right panel was similar, so was referring to that as often as I could. Going direct to GROVE was given a heading to intercept final course. At the appropriate time selected approach flaps, Gear and Full Flaps. Did struggle a bit to keep on localizer and glide path. Broke out at about 800 to 900 feet into a swath of bright city lights. Could not see the Runway and requested the tower to increase the intensity of R/Y lights. She could not do it, but acquired the rabbit and aligned myself.

The radio altimeter did not give me an audio warning, which I use as a stabilized check including a checklist done. Also did not hear any horn when I throttled back just before landing, at which point I realized on touchdown that the gear was up. Shut both fuel shut offs and called the tower to send the equipment. Turned the battery and condition levers off. Checked all were OK in the cabin. ARFF arrived almost immediately. The ambulance took some time. There was no fuel leak, credit to the manufacturer, where all damage was taken by the engines, engine pods and flaps, keeping the wings and fuel tanks off the ground.

On selecting gear I pull the lever out and select down. It is possible I set it on the neutral bar, and I should have kept my hand, on the lever until getting three greens about 3 seconds later. I do a BGUMPFLY checklist, but missed it due to tracking on the ILS and suddenly coming out into bright city lights. I was pulled up by the POI for using the written checklist too much. In mountain flying it is vital you keep your head out and be situationally aware of position so as to not be at risk to CFIT, hence most pilots in our outfit revert to a flow check, as they fly mostly single pilot. I believe the POI was right.

I still take full responsibility for not noticing the three greens, and this will be with me for the rest of my life.

I do wish the agency recommends fleet standardization in flight instruments, audio warnings for selecting full flaps if gear is not down and locked, audio warning for radio altimeter, audio warning for gear not down slightly above flight idle, and installation of a GPWIZ although not required by law. Checklist on a lighted background such as on a MFD or the Garmin 530, red overhead map light that will not destroy night vision. This is particularly important for single pilot operations.

ATTACHMENT II

American Medflight INC.

AIR AMBULANCE

DATE: 09/23/14	N 774MF	CAPTAIN: PILLAI
TOTAL TIME START 14329.3	TOTAL TIME END 14330.7	2 ND PILOT / OBSERVER: LORI
TIME OF PAGE: 		☐ PILOT DELAY ☐ MED CREW DELAY ☐ MAINT DELAY ☐ OTHER — MUST BE EXPLAINED IN REMARKS

PLEASE INDICATE WEATHER CHECK AT

BASE	☒ VFR	☐ IFR	CEILING (FT) _____ VISIBILITY (SM) _____
DEPARTURE	☒ VFR	☐ IFR	CEILING (FT) _____ VISIBILITY (SM) _____
ENROUTE	☐ VFR	☒ IFR	CEILING (FT) _____ VISIBILITY (SM) _____
DESTINATION	☐ VFR	☒ IFR	CEILING (FT) _____ VISIBILITY (SM) _____

WX NOTES: FU (Smoke), Low Ceilings
RNO CHH

FLIGHT # 5-176

FROM	TO	OUT	OFF	ON	IN	BLOCK TIME	HOBBS		FLIGHT TIME	FUEL USED	EXTRA MILES
							OUT	IN			
SVE	RNO	1655	1700	1730	1734	0.5	7596.3	7596.7	0.4	320	10
RNO	OAK	1855	1903	2002	2003	1.1	7596.7	7597.7	1.0	538	10
PAGE OF											
ALL OTHER REMARKS:						TOTAL:			TOTAL:	TOTAL:	TOTAL CYCLES:
						1.6			1.4	850	