

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: CRESCENT LAKE UMATILLA State: FL

ZIP: 32784 Country: USA

Latitude: _____ Longitude: _____

(Enter in decimal degrees or degrees:minutes:seconds)

Accident/Incident Date/Time

Date: 03/22/2023 Local Time: 1640

mm/dd/yyyy

Time Zone: EST

Collision with Other Aircraft: Midair On-ground ☒ None

AIRCRAFT INFORMATION

Registration Number: N1907A

Manufacturer: PIPER

Model: PA-18AS

Serial Number: 18-1741

Year of Manufacture: 1952

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

IFR-Equipped and Certified
Commercial Space Flight
Unmanned Aircraft

Maximum Gross Weight: 2000 lbs

Weight at Time of Accident/Incident: 1673 lbs

Number of Seats: 2 Flight Crew Seats: 1

Cabin Crew Seats: _____ Passenger Seats: 1

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 ☒ Special

- ☒ Normal
- ☐ Aerobatic
- ☐ Balloon
- ☐ Commuter
- ☐ Transport
- ☐ Utility

- ☐ 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

☐ Turbo Shaft

☐ Turbo Prop

☐ Turbo Jet

☐ Turbo Fan

☐ Electric

Liquid Rocket

Solid Rocket

Hybrid Rocket

None

Unknown

Fuel System Type (Reciprocating)

☒ Carburetor

Fuel-Injected

Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. mm/dd/yyyy	Rated Power Horsepower or lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Overhaul (hours)
Eng. 1	LYCOMING	0320 B2B	L-2296-39A		160	2708	10	725
Eng. 2								
Eng. 3								
Eng. 4								

Last Inspection Type

100-Hour

AAIP

☒ Annual

Continuous Airworthiness

Conditional Inspection

Unknown

Date Last Inspection: 11/24/2022

mm/dd/yyyy

Airframe Total Time: 5743 hrs

hours measured at (Select one)

Last Inspection ☒ Time of Accident/Incident

Type of Maintenance Program (Select one)

☒ Annual

Conditional (Amateur-built only)

Manufacturer's Inspection Program

Other Approved Inspection Program (AAIP)

Continuous Airworthiness

Other, specify: _____

Description of Fire Extinguishing System

☒ None

Specify: _____

Propeller 1

Fixed Pitch

Controllable Pitch

Ground Adjustable

Manufacturer: MCCAULEY

Model: 1A175/GM8242

Propeller 2

Fixed Pitch

Controllable Pitch

Ground Adjustable

Manufacturer: _____

Model: _____

ELT Installed: Yes No

If Yes:

ELT Manufacturer: _____

Model or Part No.: _____

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: JAMES M. KNOPKECity: FAIRBANKSState: AK ZIP: 99716Fractional Ownership Aircraft: Yes ☐ No ☒Country: USA**Operator of Aircraft**Same As Registered OwnerSame 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 FlightYes ☐ 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: UMATILLADistance From Airport Center: 1.2 smAirport Identifier: X23Direction From Airport: 300 degrees trueProximity to Airport: ☒ Off Airport/Airstrip ☐ On Airport/Airstrip ☐ N/AAirport Elevation: 107' 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-Gassy
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
Initial Climb ☒ Final Crosswind Aborted Landing (after touchdown)
Unknown

IFR Approach (Check all that apply)

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

VFR Approach (Check all that apply)

None
Traffic Pattern
☒ Straight-In
Valley/Terrain Following
Go Around
☒ Full Stop
Stop and Go
Touch and Go
Simulated Forced Landing
Forced Landing
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: <u>JAMES M. KNOCKE</u> Middle Initial: <u>M</u> Last Name: <u>KNOCKE</u> City of Residence: <u>UMATILLA</u> State: <u>FL</u> ZIP: <u>32784</u> Country: <u>USA</u> Age at time of Accident/Incident: <u>67</u> Date of Birth: [REDACTED] mm/dd/yyyy																																																																																																					
Certificate Number [REDACTED]																																																																																																					
Degree of Injury ☒ None ☐ Minor ☐ Fatal ☐ Unknown ☐ Serious			Seat Occupied ☐ Left ☒ Right ☐ Center ☒ Front ☐ Rear ☐ Single ☐ Unknown			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 ☐ Private ☐ Student ☐ Flight Instructor ☐ Recreational ☐ Sport ☐ Commercial ☐ Airline Transport ☐ Flight Engineer ☐ US Military ☐ Foreign				Medical Certificate Validity ☐ Without limitations/waivers ☒ With limitations/waivers ☐ Special Issuance ☐ Unknown ☐ N/A				Date of Last Medical <u>09/10/2021</u> mm/dd/yyyy																																																																																													
Principal Occupation ☒ Pilot ☐ Other ☐ Unknown			Medical Certificate ☐ None ☐ Class 1 ☐ Class 2 ☒ Class 3 ☐ Driver's License (Sport Pilot only) ☐ Unknown			Medical Certificate Limitations <u>MUST HAVE AVAILABLE GLASSES FOR NEAR VISION</u>			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			Student Endorsements (Include dates) Instrument Airplane Instrument Helicopter Helicopter Glider Sport																																																																																									
Type Ratings						Student Endorsements (Include dates)																																																																																															
<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th rowspan="2" style="width: 20%;">Flight Time (Enter appropriate number of hours in each box)</th> <th rowspan="2" style="width: 5%;">All Aircraft</th> <th rowspan="2" style="width: 5%;">This Make & Model</th> <th rowspan="2" style="width: 5%;">Airplane Single Engine</th> <th rowspan="2" style="width: 5%;">Airplane Multiengine</th> <th rowspan="2" style="width: 5%;">Night</th> <th colspan="2" style="width: 10%;">Instrument</th> <th rowspan="2" style="width: 5%;">Rotorcraft</th> <th rowspan="2" style="width: 5%;">Glider</th> <th rowspan="2" style="width: 5%;">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> </thead> <tbody> <tr> <td>Total Time</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Pilot in Command (PIC)</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Time as Instructor</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>This Make/Model</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Last 90 Days</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Last 30 Days</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Last 24 Hours</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>												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										
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"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 <table style="width: 100%;"> <tr> <th style="text-align: left;">Available</th> <th style="text-align: left;">Used</th> </tr> <tr> <td>None</td> <td>None</td> </tr> <tr> <td>Lap only</td> <td>Lap only</td> </tr> <tr> <td>3-point</td> <td>3-point</td> </tr> <tr> <td>4-point</td> <td>4-point</td> </tr> <tr> <td>5-point</td> <td>5-point</td> </tr> <tr> <td>Unknown</td> <td>Unknown</td> </tr> </table>	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
Available	Used																
None	None																
Lap only	Lap only																
3-point	3-point																
4-point	4-point																
5-point	5-point																
Unknown	Unknown																
Pilot Certificate(s) <i>(Check all that apply)</i> <table style="width: 100%;"> <tr> <td>None</td> <td>Flight Instructor</td> <td>Commercial</td> <td>US Military</td> </tr> <tr> <td>Private</td> <td>Recreational</td> <td>Airline Transport</td> <td>Foreign</td> </tr> <tr> <td>Student</td> <td>Sport</td> <td>Flight Engineer</td> <td></td> </tr> </table>		None	Flight Instructor	Commercial	US Military	Private	Recreational	Airline Transport	Foreign	Student	Sport	Flight Engineer					
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) <i>(Check all that apply)</i> None Single-Engine Land Single-Engine Sea Multiengine Land Multiengine Sea	Other Aircraft Rating(s) <i>(Check all that apply)</i> None Airship Balloon Glider Gyroplane Helicopter Powered Lift	Instrument Rating(s) <i>(Check all that apply)</i> None Airplane Helicopter Powered Lift	Instructor Rating(s) <i>(Check all that apply)</i> None Airplane Single-Engine Airplane Multi-Engine Gyroplane Powered Lift Instrument Airplane Instrument Helicopter Helicopter Glider Sport
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Type Ratings

Student Endorsements *(Include dates)*

Flight Time <i>(Enter appropriate number of hours in each box)</i>	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					Seat Occupied		Injury		
First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____					Left Front Center Rear Right Single Unknown		None Minor Serious Fatal Unknown		
Pilot Certificate(s) (Check all that apply) None Private Student Flight Instructor Recreational Sport Commercial Airline Transport Flight Engineer US Military Foreign					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 None 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					Seat Occupied		Injury		
First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____					Left Front Center Rear Right Single Unknown		None Minor Serious Fatal Unknown		
Pilot Certificate(s) (Check all that apply) None Private Student Flight Instructor Recreational Sport Commercial Airline Transport Flight Engineer US Military Foreign					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 None 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				Seat	Injury	Restraint Type		Inflatable Restraints	Age
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ Crew Passenger Other				Left Center Right Unknown Row: _____	None Minor Serious Fatal Unknown	Available None Lap Only 3-point 4-point 5-point Unknown Used None Lap Only 3-point 4-point 5-point Unknown	Not Installed Installed Not Deployed Deployed Unknown	Under 5 years <i>If Under 5,</i> 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 None Lap Only 3-point 4-point 5-point Unknown Used None Lap Only 3-point 4-point 5-point Unknown	Not Installed Installed Not Deployed Deployed Unknown	Under 5 years <i>If Under 5,</i> Child Restraint Lap-Held Unknown	
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First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ Crew Passenger Other				Left Center Right Unknown Row: _____	None Minor Serious Fatal Unknown	Available None Lap Only 3-point 4-point 5-point Unknown Used None Lap Only 3-point 4-point 5-point Unknown	Not Installed Installed Not Deployed Deployed Unknown	Under 5 years <i>If Under 5,</i> Child Restraint Lap-Held Unknown	

FLIGHT ITINERARY INFORMATION					
Last Departure Point Airport ID: _____ City: _____ State: _____ Country: _____		Time of Departure Time: _____ Time Zone: _____		Destination Airport ID: _____ City: _____ State: _____ Country: _____	
Type of ATC Clearance/Service <i>(Check all that apply)</i> None VFR Special VFR IFR Special IFR VFR On Top VFR Flight Following Traffic Advisory Cruise Unknown / NA				Type Flight Plan Filed None Company VFR Military VFR VFR VFR/IFR IFR Unknown Activated? Yes No Unknown	
Airspace where the accident/incident occurred <i>(Check all that apply)</i> Class A Class B Class C Class D Class E Class G Demo Area Warning Area Prohibited Area Restricted Area Military Operations Area (MOA) Airport Advisory Area Jet Training Area TRSA FAR 93 Special Air Traffic Control Area Unknown				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 None Unknown			Weather Observation Facility Facility ID: _____ 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		Ceiling None (Clear) Broken Overcast Obscured Indefinite Unknown		Temperature: _____ (C) or _____ (F) Dew Point: _____ (C) or _____ (F) Altimeter Setting: _____ in. Hg or _____ MB	
Lowest Cloud Condition Height _____ ft agl		Ceiling Height _____ ft agl			
Wind Direction Variable -or- Direction: _____ degrees true	Wind Speed Calm Light and Variable -or- Speed: _____ kts	Wind Gusts Not Gusting -or- Speed: _____ kts	Visibility _____ miles RVR: _____ feet RVV: _____ miles Density Altitude: _____ ft		
Intensity of Precipitation Light Moderate Heavy N/A Unknown		Type of Precipitation <i>(Check all that apply)</i> 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 <i>(Check all that apply)</i> 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 <i>(Check all that apply)</i> 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
Minor

Substantial
Destroyed
Unknown

Aircraft Fire

None
In-Flight
On-Ground

Both Ground and In-Flight
Fire at Unknown Time
Unknown

Aircraft Explosion

None
In-Flight
On-Ground

Both Ground and In-Flight
Explosion at Unknown Time
Unknown

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

WINDSHIELD CRACKED, NOSE BOWL DENTED, RIGHT WING FRONT AND REAR STRUTS BENT. SMALL TEAR IN WING FABRIC BY FRONT STRUT ATTACH POINT.

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

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

PILOT FLEW FROM HOME BASE LOCATED ON CRESCENT LAKE, UMATILLA TO UMATILLA AIRPORT (X23) FOR FUEL. APOON TAXING TO FUEL NOTICED A HYDRAULIC FLUID LEAK AT MLG HAND PUMP. AFTER REFUELING A/C PILOT DEPARTED X23 TO HOME BASE. UPON TOUCH DOWN NOTICED LANDING GEAR HAD NOT FULLY RETRACTED. A/C FLIPPED INTO LAKE AFTER CONTACT WITH NOSE GEAR.

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.)

HAND PUMP FAILED TO FULLY RAISE NOSE GEAR. HAND PUMP
MFG BY PARKER, PART NUMBER 642873. O-RING FAILURE
ALLOWING PUMP TO LEAK HYDRAULIC FLUID NECESSARY FOR
PROPER OPERATION.

Total Time/Cycles
On Part____ Hours
____ CyclesTime Since This Part
Inspected/Overhauled

10 Hours

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

48

Gallons

Fuel Type

80/87
100 Low Lead
100/130115/145
Jet A
Jet A-1Jet 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

WATER EGRESS

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 04/08/2023 Name of Pilot/Operator: JAMES M. KNOOLKE
mm/dd/yyyy Signature: [REDACTED]
-- 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. ERA23LA179	Reviewed by NTSB Regional Office ERA	Name of Investigator Alleyne	Date Report Received 4/10/2023
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