ENGINE DATA

MODEL NO. TPE331- 10-511M SERIAL NO. P-42076 G10-157 TOTAL ENGINE WEIGHT _____ LBS

TAKEOFF RATING 940 HP@ 1591 RPM (100 %)

MAXIMUM CONTINUOUS RATING 900 HP@ 1591 RPM (100 %)

OIL GRADE SEE FLIGHT MANUAL OIL PRESSURE SEE FLIGHT MANUAL MAXIMUM OIL TEMP SEE FLIGHT MANUAL

FUEL SEE FLIGHT MANUAL MAXIMUM TURBINE DISCHARGE TEMPERATURE (TDT) 1049 °F (565 °C)

PROPELLER DATA

MANUFACTURER _____

MODEL NUMBER _____ SERIAL NUMBER _____

07/22/2019 08:35

OWNER DATA

GINE ☐
DDULE ☐
RIAL NUMBER

ATE

SERVICE RECORD

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS

ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER.

PAGE

N766BF
Ayres S2R G510
S/N G10-157

Garrett TPE331-10-511M S/N P-42076

Date; February 23, 2018
Hobbs Time; 349.0 Total Time 16602.6 TSCAM 349.0 TSHOT 349.0

Drained Oil. Serviced with BP2380 oil. Replaced Oil filter. Replaced fuel filter. Clean fuel finger strainer. Performed Igniters operational check found to be normal. Removed starter Generator Overhauled and reinstalled. Removed and inspected plenum drains. Lubricated control rod ends. Engine inspected and serviced I/A/W Garrett inspection guide.

I certify that this Powerplant has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition.

[redacted]

Patrick McCarty
A&P [redacted]A

07/22/2019 08:34

OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSPECTION INSTRUCTIONS

ENGINE ☐
MODULE ☐
SERIAL NUMBER _____

SERVICE RECORD

PAGE _____

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS
ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER.

DATE	HOURS THIS FLIGHT	CYCLES THIS FLIGHT	ACCUMULATIVE TOTALS HOURS SINCE NEW	HOURS SINCE O/H	CYCLES SINCE NEW	CYCLES SINCE O/H	DESCRIPTION OF WORK PERFORMED
							Garrett TPE331-10-511M S/N P-42076
							Date; April 20, 2018
							Hobbs Time; 354,6 Total Time 16608.2 TSCAM 354.6 TSHOT 354.6
							Removed high pressure bleed air fitting that was installed I/A/W Ayres Drawing 19871 and installed plate. C/W AD 2018-02-14 by inspection of combustion chamber I/A/W Honeywell Service Bulletin TPE331-72-2178, Revision 0, dated May 3, 2011. Due again at hobbs 804.6 HRS
							Patrick McCarty
							A&P [redacted]
DATE	5/2/2018	HOBBS	396.0				C/W AD 2018-13-05- I/A/W PAR. G1-3 BY
							OBTAINING AN OIL FILTER SAMPLE THAT WAS
							SUBMITTED FOR TESTING AT AN ISO/IEC 17025 LAB. TPE331 831043-3
							NEXT DUE AT 546.0
							Joshua Baker A+P [redacted]
							07/22/2019 08:34
							TOTALS TO DATE

PX-3107-51

ENGINE ☐
MODULE ☐
SERIAL NUMBER _____

SERVICE RECORD

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS
ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER.

PAGE _____

DATE

Date; February 2, 2019
Hobbs Time; 507.5 Total Time 16761.1 TSHOT 507.5 TSCAM 507.5

Drained Oil. Replaced Oil filter. Replaced fuel filter. Clean fuel finger strainer. Performed Igniters operational check found to be normal. Removed starter Generator Overhauled and reinstalled. Removed and inspected plenum drains. Lubricated control rod ends. Engine inspected and serviced I/A/W Garrett inspection guide. Removed fuel nozzles overhauled and reinstalled. Removed fuel control C/W AD2016-21-07 Par 2 Group 5, by inspection and spline measurement I/A/W TPE331-10 Report 72-00-27 due again at 1507.5 C/W AD 2018-17-15 by inspection of the combustion sectionin accordance with Honeywell Service Bulletin (SB) TPE331-72-2178, Revision 0, dated May 3, 2011, or SB TPE331-72-2179, Revision 0, dated May 3, 2011, Due again at 957.5
AD 2018-13-05 by oil analysis and oil filter analysis for wear metals and evaluate filter contents using paragraphs 1.D.(4) and (5) of Honeywell SIL P331-97, Revision 11, dated July 23, 2008. Guidelines for interpreting analysis results can be found In paragraph (8) of Honeywell SIL P331-97 Due again at 657.5 Serviced with BP2380 oil. Test ran after inspection

I certify that this Powerplant has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition.
[redacted]
Patrick McCarty
A&P[redacted]IA

07/22/2019 08:34

THIS CERTIFIES THAT THE TYPE OF INSPECTION LISTED AND SIGNED OFF IS IN ACCORDANCE WITH THE MANUFACTURER'S INSPECTION INSTRUCTIONS AS DEFINED IN CURRENT APPLICABLE MAINTENANCE MANUAL.

PX-3107-51 BACK

ENGINE ☐
MODULE ☐
SERIAL NUMBER

SERVICE RECORD

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS
ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER

PAGE

DATE	HOURS THIS FLIGHT	CYCLES THIS FLIGHT	ACCUMULATIVE TOTALS HOURS SINCE NEW	ACCUMULATIVE TOTALS HOURS SINCE O/H	ACCUMULATIVE TOTALS CYCLES SINCE NEW	ACCUMULATIVE TOTALS CYCLES SINCE O/H	DESCRIPTION OF WORK PERFORMED
							TOTALS BROUGHT FORWARD
DATE	7/27/2018	Hobbs	477				C/W AD 2018-13-05 I/A/W Par. G 1-3 by
							Obtaining an Oil Filter Sample That was submitted
							For testing at an ISO/IEC 17025 Lab. TPE 331 8310433
							Next Due at 627 Joshua Baker A+P [redacted]
DATE	9/18/2018	HOBBS	507				C/W AD 2018-13-05 I/A/W Par. G 1-3 by obtaining
							an Oil Filter Sample That was submitted for Testing
							at an ISO/IEC 17025 Lab. TPE 331 831043.3
							Next Due at 687 Joshua Baker A+P [redacted]
DATE	4/25/2019	Hobbs	538				C/W AD 2018-13-05 I/A/W Par. G 1-3 by obtaining an
							oil Filter Sample that was submitted for Testing at an
							ISO/IEC 17025 Lab. TPE 331 8310433. Next Due at 688
							Joshua Baker A+P [redacted]
							TOTALS TO DATE

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SERVICE RECORD

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L NUMBER _____

SERVICE RECORD

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS
ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER.

PAGE _____

Date; July 19, 2019
Hobbs Time; 603.9 Total Time 16857.5 TSHOT 603.9 TSCAM 603.9

Replaced Oil filter. Replaced fuel filter. Clean fuel finger strainer. Performed Igniters operational check found to be normal. Removed and inspected plenum drains. Lubricated control rod ends. Engine inspected and serviced I/A/W Garrett inspection guide. AD 2018-13-05 by oil analysis and oil filter analysis for wear metals and evaluate filter contents using paragraphs 1.D.(4) and (5) of Honeywell SIL P331-97, Revision 11, dated July 23, 2008. Guidelines for interpreting analysis results can be found In paragraph (8) of Honeywell SIL P331-97 Due again at 753.9 Serviced with BP2380 oil. Test ran after inspection

I certify that this Powerplant has been inspected in accordance with an 100 Hour inspection and was determined to be in an airworthy condition.

[redacted]

Patrick McCarty
A&P [redacted]IA

07/22/2019 08:33

Garrett TPE331-10-511M	Referance	Last completed	Next Due	Time Remaining	Inspection Interval	Time since
S/N P-42076C	N766BF	Date Time	Date Time	7/19/2019		
603.9		Aircraft Total Time				
A/C S/N G10-157		5085.4				
Garrett 100 Hr. SOAP and filter LEFT 33	SB331-72-0180	603.9	753.9	150	150	
Garrett 100 Hr. Corrosion Insp.	SB331-72-0180	507.5	957.5	353.6	450	96.4
Fuel Nozzle Clean/Insp.	SB331-72-0180	507.5	957.5	353.6	450	96.4
Fuel Pump/ FCU mating spline	AD 2016-21-07	507.5	1507.5	903.6	1000	96.4
Hot Section Overhaul	SB331-72-0180	0	2500	1896.1	2500	603.9
Engine Opverhaul CAM	SB331-72-0180	0	5000	4396.1	5000	603.9
Starter/generator Overhaul	SB331-72-0180	0	1000	396.1	1000	603.9
Propeller overhaul S/N CDA5072MI	SB137AB	507.5	5507.5	4903.6	5000	96.4
Propeller govenor overhaul	SB331-72-0180	0	5000	4396.1	5000	603.9
Propeller Dyn. Balance	SIL P331-52R7	0	1000	396.1	1000	603.9
Gearbox Inspection	SB331-72-0180	0	5000	4396.1	5000	603.9
Engine Total time		16857.5	tshot	603.9		
Transponder Inspection	FAR 91.413					
Torque Sensor		0				
fuel heater		0				
Engine Cycles	Landings	96	Total Cycles	127		
Takeoffs/Landing	625		Starts/Shutdowns	31		
Part Disc	1st Stage	2nd Stage	3rd Stage	Seal Plate		
Part Number	310864-2	3102106-10	3102655-2	3102484-1		
Serial Number	6-03229-3734	980134509321	3-01345-5122	6-03501-7363		
Date Installed	10/13/2003	12/20/1998	12/20/1998	12/20/1998		
Date Operation	2/2/2016	2/2/2016	2/2/2016	2/2/2016		
Total Equavelant Cycles	2937.166667	7030.166667	4953.166667	10299.16667		
Life limit	20000	15000	6000	20000		
Cycles remaining I/A/W AD06-14-03	17062.83333	7969.833333	1046.833333	9700.833333		
Total Cycles this date 07/19/19	3064.166667	7157.166667	5080.166667	10426.16667		

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