

ENGINE LOG BOOK



Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i>
	Hours	Min	Hours	Min	
					Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TCM IO-550-K1B S/N: 1007382
Flight /Hobbs Meter: 82.0/97.2

Following repairs accomplished:

Sqk Work Performed
1.1 Drained engine oil and removed filter. Opened filter and inspected for any abnormal debris, none found. Took oil sample and sent in for analysis. Install new filter P/N CH48108-1. Serviced engine with 8 quarts of Aeroshell 15w-50 oil. Ran up engine, no leaks noted. Work performed I/A/W Cirrus SR22T M.M. Ch. 12-10, Rev. B4.

This certifies that only work requested by the customer under W.O.#: PDX-13-774 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D: Daniel R. Rice Date: 04/18/2013
Daniel R. Rice for CRS# FCPR831D

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TCM IO-550-K1B S/N: 1007382
Flight /Hobbs Meter: 124/145.1

Following repairs accomplished:

Sqk Work Performed
1.1 Drained engine oil and removed filter. Opened filter and inspected for any abnormal debris, none found. Took oil sample and sent in for analysis. Install new filter P/N CH48108-1. Serviced engine with 8 quarts of Aeroshell 15w-50 oil. Ran up engine, no leaks noted. Work performed I/A/W Cirrus SR22T M.M. Ch. 12-10, Rev. B4.

This certifies that only work requested by the customer under W.O.#: PDX-13-905 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D: Daniel R. Rice Date: 07/09/13
Daniel R. Rice for CRS# FCPR831D

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TCM IO-550-K1B S/N: 1007382
Flight/Hobbs: 232.9/200.7

Following repairs accomplished:

Sqk Work Performed
1.1 Drained engine oil and removed filter. Opened filter and inspected for any abnormal debris, none found. Took oil sample and sent in for analysis. Install new filter P/N CH48108-1. Serviced engine with 8 quarts of Aeroshell 15w-50 oil. Ran up engine, no leaks noted. Work performed I/A/W Cirrus SR22T M.M. Ch. 12-10, Rev. B4.

This certifies that only work requested by the customer under W.O.#: PDX-13-1197 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D: Daniel Rackleff Date: 12/4/2013
Daniel Rackleff

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Hobbs: 250.2 Flight: 215

Complied with the following inspection items:

Sqk Work Performed

- 1.1 Performed annual/100 hour inspection IAW FAR Part 43, Appendix D using Cirrus SR22T Scheduled Inspection Report MM Rev. B4 5-20 as a guide.
Performed oil change and installed new filter P/N CH48108-1. Took oil sample and sent for analysis. Opened filter and inspected for any abnormal debris, none found. Serviced engine with 8 quarts of Aeroshell 15W50 oil. Performed ground run, no leaks noted. Work performed IAW Cirrus SR22T MM Rev. B4 Ch. 12-10
Compression checks as follows: #1 74/80, #2 70/80, #3 56/80, #4 72/80, #5 53/80 and #6 75/80.
- 2.1 Replaced worn alternator mounting bracket, PN 646405 with new IAW Continental TSIO550K Overhaul/Maintenance manual M-18, Ch. 17-17 and Cirrus SR22T MM Rev. B4, Ch. 24-30.
- 4.1 Replaced (6ea.) rocker cover gaskets, PN 655705 due to leakage IAW Continental TSIO550K Overhaul/Maintenance manual M-18, Ch. 17-24
- 4.3 Adjusted both magnetos to 24 degrees BTC IAW Cirrus SR22T MM Rev. B4 Ch. 74-10. Performed ground run, checked good at this time.

Pertinent details of the work described above are on file at this agency under W.O. #: PDX-14-1282. I certify that this aircraft has been inspected in accordance with FAR Part 43, Appendix D, current federal aviation regulations and was determined to be in airworthy condition with respect to the work performed. END

Flightcraft Portland CRS# FCPR831D: *Daniel E Rackleff* Date: 01/24/2014
Daniel E Rackleff

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Hobbs: 291.6 Flight: 250.2

Complied with the following inspection items:

Sqk Work Performed

- 2.5 Replaced worn alternator mounting bracket, PN 646405 with new IAW Continental TSIO550K Overhaul/Maintenance manual M-18, Ch. 17-17 and Cirrus SR22T MM Rev. B4, Ch. 24-30.

This certifies that only work requested by the customer under W.O.# PDX-14-1532 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D: *Daniel E Rackleff* Date: 06/03/2014
Daniel E Rackleff

NOT USED									

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Hobbs: 362.2 Flight: 310.6

Complied with the following inspection items:

Sqk Work Performed

- 1.1 Performed annual inspection IAW Cirrus SR22T MM Rev. B5 Ch. 5-20. Researched airworthiness directives through bi-weekly 2015-02. None outstanding.
- Performed oil change and installed new filter P/N CH48108-1. Took oil sample and sent for analysis. Opened filter and inspected for any abnormal debris, none found. Serviced engine with 8 quarts of Aeroshell 15W50 oil. Performed ground run, no leaks noted. Work performed IAW Cirrus SR22T MM Rev. B5 Ch. 12-10
- Compression checks as follows: #1 61/80, #2 71/80, #3 55/80, #4 55/80, #5 66/80 and #6 72/80.
- 4.1 Replaced (6ea.) rocker cover gaskets, PN 655705 due to leakage IAW Continental TSIO550K Overhaul/Maintenance manual M-18, Ch. 17-15. Leak checked good.

This certifies that the inspections and maintenance described above and detailed in W.O. #PDX-15-2296 were performed in accordance with Cirrus SR22T ^{Annual} Select Inspection Program as required by FAR Part 91.409 (d)(3). Aircraft is determined to be in airworthy condition with respect to the work performed. END. (ada)

Flightcraft Portland CRS# FCPR831D: Daniel E Rackleff Date: 01/28/2015

Daniel E Rackleff

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Hobbs: 430.0 Flight: 368.7

Complied with the following inspection items:

Sqk Work Performed

- 1.1 Performed oil change and installed new filter P/N CH48109-1. Took oil sample and sent for analysis. Opened filter and inspected for any abnormal debris, none found. Serviced engine with 8 quarts of Aeroshell 15W50 oil and Camguard additive. Performed ground run, no leaks noted. Work performed IAW Cirrus SR22T MM Rev. B5 Ch. 12-10

This certifies that only work requested by the customer under W.O. # PDX-15-3477 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END

Flightcraft Portland CRS# FCPR831D: Daniel E Rackleff Date: 08/25/2015

Daniel E Rackleff

USED									
NOT									

Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i>
	Hours	Min	Hours	Min	
Carried forward →					Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Hobbs: 456.1 Flight: 390.8

Complied with the following maintenance items:

Sqk Work Performed

1.1 Complied with Continental Motors Critical Service Bulletin CSB15-2C Rev. C by replacing oil cooler cross fitting with new P/N 658607 IAW Continental Motors Critical Service Bulletin CSB15-2C Rev C. Performed ground run, no leaks noted.

This certifies that only work requested by the customer under W.O. # PDX-15-3910 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D:

Joseph Korick
Joseph Korick

Date: 11/24/15

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Hobbs: 473.7 Flight: 405.6

Complied with the following inspection items:

Sqk Work Performed

1.1 Completed annual inspection IAW FAR Part 43, Appendix D using Cirrus SR22T Scheduled Inspection Report MM Rev. B6 5-20 as a guide. Researched airworthiness directives through bi-weekly 2016-03. None outstanding.

1.1 Performed oil change and installed new filter P/N CH48109-1. Took oil sample and sent for analysis. Opened filter and inspected for any abnormal debris, none found. Serviced engine with 8 quarts of Aeroshell 15W50 oil. Performed ground run, no leaks noted. Work performed IAW Cirrus SR22T MM Rev. B6 Ch. 12-10

1.1 Compression checks as follows: #1 57/80, #2 50/80, #3 38/80, #4 57/80, #5 38/80 and #6 69/80.

1.1 Performed boroscope inspection of cylinders #3 and #5 IAW TCM service bulletin SB03-3. No discrepancies noted at this time.

2.2 Adjusted both magnetos to 24 degrees BTDC IAW Continental TSIO-550-K Engine Maintenance Manual M-18 Rev July 2015 6-3.9.1.2 Operation checks good.

Pertinent details of the work described above are on file at this agency under W.O. #: PDX-16-4186. I certify that this aircraft has been inspected in accordance with FAR Part 43, Appendix D, current federal aviation regulations and was determined to be in airworthy condition with respect to work performed. END

Flightcraft Portland CRS# FCPR831D:

John D. Mills
John D. Mills

Date: 02/17/2016

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7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Hobbs: 546.7 Flight: 466.2

Complied with the following inspection items:

Sqk	Work Performed
1.1	Performed oil change and installed new filter P/N CH48109-1. Took oil sample and sent for analysis. Opened filter and inspected for any abnormal debris, none found. Serviced engine with 8 quarts of Aeroshell 15W50 oil. Performed ground run, no leaks noted. Work performed IAW Cirrus SR22T MM Rev. B6 Ch. 12-10

This certifies that only work requested by the customer under W.O. # PDX-16-5578 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D: James Vargo Date: 09/13/2016
James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
TTENG: 494.7 Flight: 494.7 Hobbs: 583.1

Complied with the following Inspection items:

Sqk	Work Performed
1.1	Complied with annual inspection IAW FAR Part 43, Appendix D using Cirrus SR22T Scheduled Inspection Report MM Rev. B6 5-20 as a guide. Researched airworthiness directives through bi-weekly 2017-05. None outstanding.
1.1	Performed oil change and installed new filter P/N CH48109-1. Opened filter and inspected for any abnormal debris, none found. Serviced engine with 8 quarts of Phillips Type "M" (mineral) 20W50 oil. Performed ground run, no leaks noted. Work performed IAW Cirrus SR22T MM Rev. B6 Ch. 12-10. Next oil change due in 25 hours @ 519.7 TTENG.
1.1	Performed cylinder compression checks: #1 60/80, #2 50/80, #3 38/80, #4 57/80, #5 38/80 and #6 69/80. See item 2.2 for maintenance details.
1.1	Performed borescope inspection of cylinders IAW TCM service bulletin SB03-3. See item 2.2 for maintenance details.
1.5	Complied with 500-hour Magneto inspection on LH magneto (P/N: 10-500556-101 S/N: D12JA019) and RH magneto (P/N: 10-500556-101 S/N: D12JA009) Re-installed LH and RH magneto after inspection IAW Continental Motors TSIO-550K EMM M-18 Rev.2 Chapter 10-6-4. Inspection performed by Premier Aircraft Engines, Troutdale, Oregon. FAA CRS # JZYR537L on W.O. # 14011. Refer to 8130-3 form dated 28 February 2017 for details. Operation and leak checks good.
2.2	Removed engine cylinders #2 P/N: 658178 S/N: AC12BB231, #3 P/N: 658178 S/N: AC121A727 #4 P/N: 658178 S/N: AC12AC417 and #5 P/N: 658178 S/N: AC12AC282 due to low compressions. Re-installed cylinders IAW Continental Motors TSIO-550K EMM M-18 Rev.2 Chapters 10, 17 and Appendix B in same locations after repairs by Premier Aircraft Engines, Troutdale, Oregon. FAA CRS # JZYR537L on W.O.#14011. Refer to 8130-3 form dated 28 February 2017 for details. Performed Engine Operational Check IAW Continental Motors TSIO-550K EMM M-18 Rev.2 Chapter 6-3.7. and 7.3-2. Operation and leak checks are good. Next Engine Oil Change is due in 25.0 hours @ 519.7 TTAF.
2.3	Removed and replaced failed magneto ignition harness P/N Off: 10-421674-21 with new ignition harness P/N On: 10-421674-21 IAW Continental Motors Publication X42002-3, S-20/S-200 Series High Tension Magneto Service Support Manual Rev 31 August 2011 Ch. 9-3. Operation checks good.

Complied with the following Airworthiness Directives:

Sqk	Work Performed
1.6	Complied with A.D. 2016-21-04 Amendment 39-18685 "Oil Cooler cross fitting replacement". Inspection revealed this A.D. was previously complied with by completion of Continental Motors CSB15-2 Rev. C on 11/24/2015 at 390.8 hrs. by replacement of the oil cooler cross fitting with new fitting P/N: 658607 and new plug P/N: 2024. No further action is required.

Pertinent details of the work described above are on file at this agency under W.O. #: PDX-17-6661. I certify that this aircraft has been inspected in accordance with FAR Part 43, Appendix D, current federal aviation regulations and was determined to be in airworthy condition with respect to work performed. END.

Flightcraft Portland CRS# FCPR831D: James Vargo Date: 03/14/2017
James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Flight / TTAF: 497.9

Complied with the following Maintenance items:

Sqk Work Performed
2.1 Fuel flow at take-off is low. Adjusted fuel pump to deliver 34 GPH @ 2500 RPM IAW Cirrus AMM Rev.B6 Ch. 73-20. Operation and leak checks good.

This certifies that only work requested by the customer under W.O. # PDX-17-6742 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END

Flightcraft Portland CRS# FCPR831D: James Vargo Date: 03/22/2017
James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Hobbs: 481.3

Complied with the following Maintenance items:

Sqk Work Performed
2.1 Engine oil temperature indication is high. Removed, cleaned, inspected and re-installed engine oil temperature sensor. Tested and inspected wiring to engine analyzer. No defects noted. Refer to Duncan Aviation logbook entry dated 12/9/2016 for details on reconfiguring the Garmin G-1000 oil temperature parameters.

This certifies that only work requested by the customer under W.O. # PDX-16-6347 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D: James Vargo Date: 12/13/2016
James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Hobbs: 482.8

Complied with the following Maintenance items:

Sqk Work Performed
2.1 #6-cylinder temperature indication on engine monitor is showing colder than the others. Removed, cleaned and inspected all sparkplugs. No defects noted. Tested sparkplugs in # 6 position with pressure tester with no defects noted. Re-installed sparkplugs IAW Continental TSIO-550 EMM Ch. 6-3.9.2. Noted #4 and #6 injector were installed in the wrong cylinders. Removed, cleaned and reinstalled #4 and #6 injectors in correct positions IAW Continental TSIO-550 EMM Ch. 10-3. Performed high power ground runs. Operation and leak checks good.

This certifies that only work requested by the customer under W.O. # PDX-16-6452 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D: James Vargo Date: 12/20/2016
James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Flight / TTAF: 499.6

Complied with the following Maintenance items:

Sqk Work Performed
2.1 Fuel flow at take-off is low. Adjusted fuel pump to deliver 34 GPH @ 2500 RPM IAW Cirrus AMM Rev.B6 Ch. 73-20. Operation and leak checks good.

This certifies that only work requested by the customer under W.O. # PDX-17-6755 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D:

James Vargo

Date: 03/30/2017

James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Flight / TTAF: 501.3

Complied with the following Maintenance items:

Sqk Work Performed
2.2 Fuel flow at take-off is low. Adjusted fuel pump to deliver 34 GPH @ 2500 RPM IAW Cirrus AMM Rev.B6 Ch. 73-20. Operation and leak checks good.
Oil leaking from LH side exhaust stack after test flight. Inspected turbocharger system. Removed turbocharger check valve. Inspection revealed small piece of metal debris in check valve. (oil cooler to turbocharger oil reservoir). Removed debris, cleaned check valve and reinstalled IAW Continental Motors TSIO-550-K EMM M-18 C2 15 July 2015 Section 13-4. Removed engine oil filter. Cut open and inspected for debris.
2.3 None noted. Installed new Champion CH48109 oil filter IAW Continental Motors TSIO-550-K EMM M-18 C2 15 July 2015 Section 6-3.8.2 Serviced engine with 2 quarts of Phillips 20W50 oil. Removed and cleaned inside of upper deck ducting and environmental ducting. Reinstalled ducts. Performed half-hour engine high power ground run IAW Continental Motors TSIO-550-K EMM M-18 C2 15 July 2015 Section 7-3.3. Operation and function checks good. Re-inspected inside of all ducts. Very small amount was noticed in the left and none in the right side ducting. Reinstalled all items that were removed maintenance and reinstalled cowling IAW Cirrus SR-22T AMM 71-10 and 71-60.

This certifies that only work requested by the customer under W.O. # PDX-17-6755 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D:

James Vargo

Date: 04/04/2017

James Vargo

<i>NOT USED</i>							

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Flight / TTAF: 501.3

Complied with the following Maintenance items:

Sqk Work Performed

- 2.1 Disassembled induction system and environmental ducting in engine compartment. Cleaned residual oil out of inside of all ducting and intercoolers left over from previously stuck check valve for both turbochargers. Reassembled intake system and environmental systems. Performed high power ground run and operated heating system for cabin. Operational check Good. No leaks, oil residue, or smell noted IAW Continental Motors TSIO-550-K EMM M-18 C2 15 July 2015 Sections 12-6, 16-2 and 16-5.

This certifies that only work requested by the customer under W.O. # PDX-17-6720 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Flight / TTAF: 509.6

Complied with the following Maintenance items:

Sqk Work Performed

- 2.1 Fuel flow at take-off is low. High end flow is not adjustable. Removed and replaced engine driven fuel pump with new fuel pump P/N Off: 649368-60A7 S/N Off: B12KA168, P/N On: 649368-60A7 S/N On: B16KA090 IAW Continental Motors EMM Chg. 2 Jul/2015 Section 10-2. Adjusted high end fuel flow to 34 GPH and performed Engine Operational Check IAW Continental Motors EMM Chg. 2 Jul/2015 Section 6.3.7. Operation checks good.

This certifies that only work requested by the customer under W.O. # PDX-17-6820 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D:

James Vargo

Date: 05/09/2017

James Vargo

James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO-550K-1B S/N: 1007382
Flight Hobbs: 595.3

Complied with the following Maintenance items:

Sqk Work Performed

- 1.1 Customer requests to remove and inspect engine starter adapter for wear. Gained access to, and removed engine starter adapter for inspection. Inspected starter adapter and engine drive gears IAW TCM TSIO-550-550K-1B EMM M-18 Section 10-4. No defects noted. Reinstalled engine starter adapter IAW TCM TSIO-550-550K-1B EMM M-18 Section 10-4. Removed engine oil filter. Cut open for inspection. No metal or debris was found. Installed new Champion Oil Filter P/N On: CH48109-1 IAW TCM TSIO-550-550K-1B M-18 Section 6-3 and TCM TSIO-550-550K-1B M-O Appendix B-B-1 Page B-10. Added 2-quarts of Phillips 20W50 engine oil. Run up, operation and leak checks good. Reinstalled all equipment and components that were removed to facilitate inspection and maintenance.

This certifies that only work requested by the customer under W.O. # PDX-18-7498 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D:

James Vargo

Date: 02/16/2018

James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Flight / TTAF: 501.3

Complied with the following Maintenance items:

Sqk Work Performed
2.1 Disassembled induction system and environmental ducting in engine compartment. Cleaned residual oil out of inside of all ducting and intercoolers left over from previously stuck check valve for both turbochargers. Reassembled intake system and environmental systems.
Performed high power ground run and operated heating system for cabin. Operational check Good. No leaks, oil residue, or smell noted IAW Continental Motors TSIO-550-K EMM M-18 C2 15 July 2015 Sections 12-6, 16-2 and 16-5.

This certifies that only work requested by the customer under W.O. # PDX-17-6720 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D:

James Vargo

Date: 04/05/2017

James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Flight Hobbs: 527.3

Complied with the following Maintenance items:

Sqk Work Performed
2.2 Low oil pressure indication. Removed and tested oil pressure transmitter with calibrated source. No defects noted. Reinstalled oil pressure transmitter. Removed and tested oil pressure regulator relief valve and cleaned valve seat. No defects noted. Reinstalled oil pressure regulator relief valve. Added one quart of Phillips 20W50 engine oil. Performed ground runs. Operation and leak checks good IAW Continental Motors EMM Chg. 2 Jul/2015 Section 10-7.5. Oil pressure indicates in top of the green arc at cruise power at 170 degrees IAW Cirrus SR22T AMM Rev B6 Ch. 79-30.

This certifies that only work requested by the customer under W.O. # PDX-17-6820 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D:

James Vargo

Date: 06/22/2017

James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO-550K-1B S/N: 1007382
Flight Hobbs: 595.3

Complied with the following Maintenance items:

Sqk Work Performed
1.1 Customer requests to remove and inspect engine starter adapter for wear. Gained access to, and removed engine starter adapter for inspection. Inspected starter adapter and engine drive gears IAW TCM TSIO-550-550K-1B EMM M-18 Section 10-4. No defects noted. Reinstalled engine starter adapter IAW TCM TSIO-550-550K-1B EMM M-18 Section 10-4. Removed engine oil filter. Cut open for inspection. No metal or debris was found. Installed new Champion Oil Filter P/N On: CH48109-1 IAW TCM TSIO-550-550K-1B M-18 Section 6-3 and TCM TSIO-550-550K-1B M-O Appendix B-B-1 Page B-10. Added 2-quarts of Phillips 20W50 engine oil. Run up, operation and leak checks good. Reinstalled all equipment and components that were removed to facilitate inspection and maintenance.

This certifies that only work requested by the customer under W.O. # PDX-18-7498 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D:

James Vargo

Date: 02/16/2018

James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Flight / TTAF: 501.3

Complied with the following Maintenance items:

Sqk Work Performed

- 2.1 Disassembled induction system and environmental ducting in engine compartment. Cleaned residual oil out of inside of all ducting and intercoolers left over from previously stuck check valve for both turbochargers. Reassembled intake system and environmental systems. Performed high power ground run and operated heating system for cabin. Operational check Good. No leaks, oil residue, or smell noted IAW Continental Motors TSIO-550-K EMM M-18 C2 15 July 2015 Sections 12-6, 16-2 and 16-5.

This certifies that only work requested by the customer under W.O. # PDX-17-6720 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

F 7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382
Flight / TTAF: 509.6

Complied with the following Maintenance items:

Sqk Work Performed

- 2.1 Fuel flow at take-off is low. High end flow is not adjustable. Removed and replaced engine driven fuel pump with new fuel pump P/N Off: 649368-60A7 S/N Off: B12KA168, P/N On: 649368-60A7 S/N On: B16KA090 IAW Continental Motors EMM Chg. 2 Jul/2015 Section 10-2. Adjusted high end fuel flow to 34 GPH and performed Engine Operational Check IAW Continental Motors EMM Chg. 2 Jul/2015 Section 6.3.7. Operation checks good.

This certifies that only work requested by the customer under W.O. # PDX-17-6820 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D:

James Vargo

Date: 05/09/2017

James Vargo

Flightcraft Portland CRS# FCPR831D:

James Vargo

FLIGHTCRAFT

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

Log Entry Type: Engine Reg#: N72AD Model: TSIO-550K-1B S/N: 1007382
Flight Hobbs: 595.3

Complied with the following Maintenance items:

Sqk Work Performed

- 1.1 Customer requests to remove and inspect engine starter adapter for wear. Gained access to, and removed engine starter adapter for inspection. Inspected starter adapter and engine drive gears IAW TCM TSIO-550-550K-1B EMM M-18 Section 10-4. No defects noted. Reinstalled engine starter adapter IAW TCM TSIO-550-550K-1B EMM M-18 Section 10-4. Removed engine oil filter. Cut open for inspection. No metal or debris was found. Installed new Champion Oil Filter P/N On: CH48109-1 IAW TCM TSIO-550-550K-1B M-18 Section 6-3 and TCM TSIO-550-550K-1B M-O Appendix B-B-1 Page B-10. Added 2-quarts of Phillips 20W50 engine oil. Run up, operation and leak checks good. Reinstalled all equipment and components that were removed to facilitate inspection and maintenance.

This certifies that only work requested by the customer under W.O. # PDX-18-7498 was accomplished and inspected in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D:

James Vargo

Date: 02/16/2018

James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382

TTENG: 705.3 Flight: 705.3

Complied with the following Inspection items:

Sqk	Work Performed
1.1	Complied with Annual Inspection IAW FAR Part 43, Appendix D using Cirrus SR22T Scheduled Inspection Report MM Rev. B6 5-20 as a guide.
1.1	Performed oil change and installed new filter P/N CH48109-1. Opened filter and inspected for any abnormal debris, none found. Serviced engine with 8 quarts of Aeroshell 100 mineral oil. Performed ground run, no leaks noted. Work performed IAW Cirrus SR22T AMM Rev. B6 Ch. 12-10.
1.1	Performed cylinder compression checks: #1 20/80, #2 75/80, #3 73/80, #4 75/80, #5 72/80 and #6 60/80. Refer to item 2.7 below.
2.5	R/H oil hose from turbocharger is damaged from heat. Removed suction hose P/N: 646644S8Y15.00. Installed new hose P/N On: 646644S8Y15 00 IAW Continental Motors EMM M-18 Section 16-5. Leak checks good.
2.7	#1 engine cylinder has low compression. Inspection revealed cylinder to be cracked at the exhaust port, and both lifters have pitting on the cam lobe contact surfaces. Removed exhaust system. Removed # 1-cylinder P/N Off: 658695A3 S/N Off: Unknown. Installed new cylinder P/N On: 65895A3BP S/N On: AC18KA383 (with new piston, rings and rocker shafts). Installed 2ea, new lifters P/N On: 658088 (intake) and P/N On: 658077 (exhaust) IAW Continental Engine Manual M-O for Spark Ignited Ignitions and Continental TSIO-550K EMM M-18 Section 16-7. Re-installed exhaust system. Serviced engine with 8-quarts of Aeroshell 100 mineral oil. Operation and leak checks good. Break-in procedures provider to the owner.
2.8	#2 engine cylinder exhaust stack has hole worn into it. Removed exhaust system from engine. Disassembled L/H side manifold and replaced pipes of the #2 cylinder with new pipes 1ea, P/N On: 658681 and 657652 and 2ea, P/N On: 654309 bushings IAW Continental TSIO-550K EMM M-18 Section 16-5 and 16-7. Operation checks good. No leaks noted.

Pertinent details of the work described above are on file at this agency under W.O. #: PDX-19-8340. I certify that this aircraft has been inspected in accordance with an Annual Inspection IAW FAR Part 43, Appendix D, current Federal Aviation Regulations and was determined to be in airworthy condition with respect to work performed. END

Flightcraft Portland CRS# FCPR831D: James Vargo Date: 04/05/2019

James Vargo

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N72AD Model: TSIO550K1B S/N: 1007382

Flight Meter: 724.0

Complied with the following Maintenance Items:

Sqk	Work Performed
2.1	Fuel flow is low at maximum power. Adjusted maximum power fuel flow to 36 GPH IAW Continental Motors EMM M-O Section 6-4.7 Table 6-4. Ground run operation and leak checks good.

This certifies that only the work requested by the customer on W.O. #: PDX-18-8519 was accomplished in accordance with the manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed.

Flightcraft Portland CRS# FCPR831D: James Vargo Date: 06/06/2018

James Vargo

POWERPLANT LOG ENTRY

DATE	FLT HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	HOBBS	ETT
June 30, 2019	749.6	Continental TSIO-550-K1B	N72AD	1007382	895.0	749.6

Changed oil and filter with 8 quarts Phillips 20W50X/C and Champion oil filter CH48109-1. Cut oil filter open and inspected for metal / debris, none noted at this time. Ground ran engine for operation and leaks, no leaks noted at this time.

I certify that this Aircraft and / or Component identified hereon was repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service



Corey Marschke A&P 2716624 *Corey Marschke*

WO# 385635
Reg# N72AD
Hobbs: 949.5

Date: 8/26/2019



Elliott Aviation of Des Moines, Inc.
Des Moines Airport
2800 McKinley Avenue
Des Moines, IA 50321-2806

Engine Log Entry

Maintenance Action

- * Drained oil and replaced oil filter with new P/N: CH48109-1. Serviced engine with 8 quarts Phillips 20W50 oil. Cut open old filter and checked for metal with none noted. Ground ran engine and leak check good.

I certify this Engine is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 385635.

Signed

Harold Petro
Harold Petro

for Elliott Aviation of Des Moines, Inc.
CRS# JEMR166F

POWERPLANT LOG ENTRY

DATE	FLT HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	HOBBS	ETT
Nov. 12, 2019	836.9	Continental TSIO-550-K1B	N72AD	1007382	993.4	836.9

Changed oil and filter with 8 quarts Phillips 20W50X/C and Champion oil filter CH48109-1. Cut oil filter open and inspected for metal / debris, none noted at this time. Ground ran engine for operation and leaks, no leaks noted at this time.

I certify that this Aircraft and / or Component identified hereon was repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service



Corey Marschke A&P 2716624 *Corey Marschke*

POWERPLANT LOG ENTRY

DATE	FLT HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	HOBBS	ETT
Jan. 14, 2020	852.0	Continental TSIO-550-K1B	N72AD	1007382	1011.1	852.0

Performed engine inspection for engine running rough condition, completed a ground run on engine to reduplicate issue, could not reduplicate engine roughness. Engine cylinder compressions were as follows: #1 74/80, #2 57/80, #3 72/80, #4 60/80, #5 60/80, #6 62/80 (master orifice: 44/80). C/W TCM SB03-3 all found in normal criteria, mag timing found within limits, RT: 23.5 LT: 23.6, engine fuel flow PSIs were all found within limits, high tension ignition leads were found airworthy. Removed spark plugs, cleaned, gapped, inspected, OHM check (>5000), gapped and found they failed the go-no-go gauge, installed new Tempest spark plugs p/n: URHB32S, (12 in total) to proper torque. Inspections of exhaust and turbo systems were also found in airworthy condition. Ground ran engine for operation and found airworthy for return to service.

I certify that this Aircraft and / or Component identified hereon was repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service



Corey Marschke A&P 2716624 *Corey Marschke*

P O W E R P L A N T L O G E N T R Y

DATE	FLT HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	HOBBS	ETT
March 15, 2020	872.8	Continental TSIO-550-K1B	N72AD	1007382	1035.4	872.8

Changed oil and filter with 8 quarts Phillips 20W50X/C and Champion oil filter CH48109-1 added CAMGard to oil at a ratio of 1.6 oz per quart, took oil sample mid-stream and out for analysis. Cut removed oil filter open and inspected for metal / debris, none noted at this time. Ground ran engine for operation and leaks, no leaks noted at this time.

I certify that this Aircraft and / or Component identified heron was repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service



Corey Marschke A&P 2716624 *Corey Marschke*

P O W E R P L A N T L O G E N T R Y

DATE	FLT HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	HOBBS	ETT
April 25, 2020	876.5	Continental TSIO-550-K1B	N72AD	1007382	1039.8	876.5

Performed an annual / 100hr inspection in accordance with scope and detail FAR 43 Appendix D and reference Cirrus airplane maintenance manual. AD research through current bi-weekly, no new ADs found, refer to AD compliance report for details. Removed cleaned, inspected, gapped, OHM check (<5000), rotated, annealed gaskets and reinstalled spark plugs to proper torque. Removed, cleaned, inspected and reinstalled fuel injector nozzles replacing the following p/n: 630979-9 o-rings (x12), p/n: 633958-5 seal (x3), p/n: x1473 copper washer (x6), p/n: 628556 washer (x6), p/n: 640612 fuel injector washer (x6), p/n: 633958-3 seal (x6). Replaced all six intake gaskets with new p/n: SA630824 Complied with TCM SB03-3 and compression as follows: #1 73/80, #2 70/80, #3 70/80, #4 69/80, #5 60/80, #6 64 /80 (master orifice reading 45/80) bore scoped cylinders and found cylinder walls and valves in normal condition. Change oil and filter with 8 quarts Phillips 20W50 X/C oil and Champion oil filter CH48109-1, took oil sample mid-stream and sent out for analysis, all results came back in normal ranges, add CAMGard to oil at a ratio of 1.6 oz. per quart, cut oil filter removed open and inspected for metal, none noted at this time. C/W TCM SID97-3F by verifying fuel pressures within limits. Magneto timing found within limits, RT: 23.0 LT: 23.3, replaced magneto filter and drain reducer p/n: 653386, 653385. Replaced all twelve (12) rocker cover gaskets with new silicon type p/n: RG-632459. Ground ran engine I/A/W FAR 43.15 (c)(2) for operation and leaks, no leaks noted at this time. I certify that this engine has been inspected in accordance with an annual / 100hr inspection and was determined to be in airworthy condition.

I certify that this Aircraft and / or Component identified heron was repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service



Corey Marschke A&P 2716624 IA *Corey Marschke*

P O W E R P L A N T L O G E N T R Y

DATE	FLT HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	HOBBS	ETT
July 23, 2020	915.3	Continental TSIO-550-K1B	N72AD	1007382	1084.6	915.3

Changed oil and filter with 8 quarts Phillips 20W50X/C and Champion oil filter CH48109-1 added CAMGard to oil at a ratio of 1.6 oz per quart, took oil sample mid-stream and out for analysis. Cut removed oil filter open and inspected for metal / debris, none noted at this time. Ground ran engine for operation and leaks, no leaks noted at this time.

I certify that this Aircraft and / or Component identified heron was repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service



Corey Marschke A&P 2716624 *Corey Marschke*

P O W E R P L A N T L O G E N T R Y

DATE	FLT HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	HOBBS	ETT
Oct. 03, 2020	936.8	Continental TSIO-550-K1B	N72AD	1007382	1109.2	936.8

Changed oil and filter with 8 quarts Phillips 20W50X/C and Champion oil filter CH48109-1 added CAMGaurd to oil at a ratio of 1.6 oz per quart, took oil sample mid-stream and out for analysis. Cut removed oil filter open and inspected for metal / debris, none noted at this time. Ground ran engine for operation and leaks, no leaks noted at this time.

I certify that this Aircraft and / or Component identified heron was repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service



Corey Marschke A&P 2716624

P O W E R P L A N T L O G E N T R Y

DATE	FLT HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	HOBBS	ETT
Feb. 23, 2021	966.1	Continental TSIO-550-K1B	N72AD	1007382	1142.9	966.1

Changed oil and filter with 8 quarts Phillips 20W50X/C and Champion oil filter CH48109-1 added CAMGaurd to oil at a ratio of 1.6 oz per quart, took oil sample mid-stream and sent out for analysis, results retained in permeant aircraft documentation. Cut removed oil filter open and inspected for metal / debris, none noted at this time. Performed the following engine inspection: engine cylinder compressions were as follows: #1 69/80, #2 67/80, #3 66/80, #4 67/80, #5 66/80, #6 58/80 (master orifice: 44/80). C/W TCM SB03-3 all found in normal criteria, removed L/H mag: S6RSC-25P p/n: 10-500556-101 s/n: D12JA009 and R/H mag: S6RSC-25P p/n: 10-500556-101 s/n: D12JA019 and sent to Poplar Grove Airmotive CRS: YYBR664L for 500 hr. inspection and AD 2005-12-06 (mags were found with wear less than .014) set mag and engine timing to 24 degrees BTDC. Removed spark plugs, cleaned, gapped, inspected, OHM check (<5000), rotated and reinstalled with new gaskets p/n: M674 to proper torque. Completed TCM SID97-3F by check and adjustment of fuel pressures I/AW service information directive and Cirrus AMM chapter 73-20, unmetered fuel pressures were adjusted within limits stated in table 6-4. Ground ran engine for operation and found airworthy for return to service.

I certify that this Aircraft and / or Component identified heron was repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service



Corey Marschke A&P 2716624

P O W E R P L A N T L O G E N T R Y

DATE	FLT HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	HOBBS	ETT
May 18, 2021	995.7	Continental TSIO-550-K1B	N72AD	1007382	1177.6	995.7

Removed the list engine above: Teledyne Continental TSIO-550-K1B s/n: 1007382 with the following ETT: 995.7, from the following airframe: Cirrus SR22T, N-number N72AD, s/n: 0429 and sent out for repair to Poplar Grove Airmotive CRS# YYB664L.

I certify that this Aircraft and / or Component identified heron was repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service



Corey Marschke A&P 2716624

Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Rec</i>
	Hours	Min	Hours	Min	

Record maintenance actions including engine part removal installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

P O W E R P L A N T L O G E N T R Y

DATE	FLT HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	HOBBS	ETT
Sept. 22, 2021	995.7	Continental TSIO-550-K1B	N72AD	1007382	1177.6	995.7

Performed an annual / 100hr inspection in accordance with scope and detail FAR 43 Appendix D and reference Cirrus airplane maintenance manual. AD research through current bi-weekly, refer to AD compliance report for details.

- AD 2020-13-11 (08/21/2020) DNA by cylinder p/n installed on cylinder #2 - #6 and P/C/W by inspection on cylinder #1.

Complied with TCM SB03-3 and compression as follows: #1 62/80, #2 60/80, #3 68/80, #4 66/80, #5 55/80, #6 36/80 (master orifice reading 45/80) bore scoped cylinders and found cylinder walls and valves in normal condition. Drained oil and took sample mid-stream and sent out for analysis, oil results came back with high nickel and iron levels, removed cylinders, inspected and found distressed camshaft on #3-cylinder lobe and #3- and #5-cylinder exhaust tappets spalled. Removed engine from airframe and sent out for repair, see previous log entries for details, reinstalled the list engine above: Teledyne Continental TSIO-550-K1B s/n: 1007382 with the following ETT: 995.7, on the following airframe: Cirrus SR22T, N-number N72AD, s/n: 0429 after repair from Poplar Grove Airmotive CRS# YYB664L. Reinstalled engine I/A/W Cirrus MM 71-00. Reinstalled prop governor p/n: S-1-44F s/n: G855NJ after flush and reseal at Aircraft Propeller Service CRS# EY2R811K, reinstalled turbos p/n: 646677 s/n: H-PFL00536 & H-PGL00026 after overhaul from Main Turbo CRS# MAMR190K, cleaned, inspected, gapped, OHM check (<5000), rotated, annealed gaskets and reinstalled spark plugs to proper torque. C/W TCM SB11-3, found drive coupler slippage with limits. Service engine with 8 quarts Phillips 20W50 Type M mineral oil and Tempest oil filter AA48109-2, pre lubed engine and turbos prior to engine start, set prop low pitch stop, prop governor high RPM limit, C/W TCM SID97-3G by adjusting fuel pressures within limits on chart and setting unmetered fuel pressure per Cirrus manual 73-20, check and adjusted magneto timing found within limits, Ground ran engine I/A/W FAR 43.15 (c)(2) for operation and leaks, no leaks noted at this time. All post maintenance operational checks were found airworthy and the post engine repair compressions were as follow: #1 75/80, #2 75/80, #3 76/80, #4 76/80, #5 75/80, #6 76/80. I certify that this engine has been inspected in accordance with an annual / 100hr inspection and was determined to be in airworthy condition.

I certify that this Aircraft and / or Component identified heron was repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service



Corey Marschke A&P 2716624 IA

DATE	FLT HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	HOBBS	ETT

P O W E R P L A N T L O G E N T R Y

DATE	FLT HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	HOBBS	ETT
Oct. 29, 2021	1010.1	Continental TSIO-550-K1B	N72AD	1007382	1195.4	1010.1

Drained engine oil I/A/W TCM CSB07-01A, no metal noted in bucket screen, removed oil filter and serviced engine with 8 quarts of Phillips 20W50 Type M mineral oil and Champion oil filter CH48109-1 filter. C/W TCM SB03-3 by bore scope of all engine cylinders, all cylinders were found in normal criteria with visible cross hatching and no glazing was found, differential pressure test was performed and the compressions were as follows: #1 77/80, #2 70/80, #3 73/80, #4 72/80, #5 71/80, #6 77/80 (master orifice reading 45/80 PSI). Removed, cleaned, inspected, gapped, OHM (<5000) and reinstalled spark plugs to proper torque. Checked engine mag timing, and adjusted as needed, lubed exhaust system and waste gate. Completed general engine inspection, no faults were noted. Ground ran engine I/A/W FAR 43.15 (c)(2) for operation and leaks, no leaks noted at this time and was determined to be in airworthy for return to service.

I certify that this Aircraft and / or Component identified heron was repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service



Corey Marschke A&P 2716624

