



Continental Motors, Inc.

Production Certificate 508

Printed: 8/20/2013

Test Date: 8/20/2013

This engine model TSI0550K1B , serial number 1008884 was manufactured by Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Continental Motors Service Bulletins.

Thomas Howard

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

ENGINE MODEL:
TSIO-550-K
ENGINE S/N: 1008884
REG. NO: N52VS
WORK ORDER:
3228-12-2013



Houston Aviation Center, LLC

12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 1/21/2014
A/C TSN: 70.1
ENG TT: 70.1
FLIGHTTIME: 70.1

Engine Entries

(Flight Meter: 70.1) Tightened b-nut from fuel injector vent line to the throttle body. Operational check satisfactory.... Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n AA48108-2 and serviced engine with 8 qts. Phillips 20W50XC. Ran engine and checked for leaks.

Maintenance Release

The aircraft and/or component(s) on N52VS was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 3228-12-2013.

DATE: 1/21/2014

SIGNED: 

Work Order: 3228-12-2013

Martin Aaron Nicely, A&P: 32738096

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Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min
Carried forward				

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

ENGINE MODEL:
TSIO-550-K
ENGINE S/N: 1008884
REG. NO: N52VS
WORK ORDER:
3132-10-2013



Houston Aviation Center, LLC
12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 10/17/2013
A/C TSN: 23.3
ENG TT: 23.3
FLIGHTTIME: 23.3

Engine Entries

Drained oil and inspected filter for contaminants (sample taken). Installed new oil filter P/n AA48108-2 and serviced with 8 qts. Phillips 20W50XC. Ran engine and checked for leaks.

Maintenance Release

The aircraft and/or component(s) on N52VS was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 3132-10-2013.

DATE: 10/17/2013

SIGNED: *Phillip Zual*

Work Order: 3132-10-2013

Zwahr P, A&P: 2685619

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ENGINE MODEL:
TSIO-550-K
ENGINE S/N: 1008884
REG. NO: N52VS
WORK ORDER:
3392-05-2014



Houston Aviation Center, LLC
12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 5/1/2014
A/C TSN: 99.9
ENG TT: 99.9
FLIGHTTIME: 99.9

Engine Entries

Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n AA48108-2 and serviced engine with 8 qts. Phillips 20W50XC. Ran engine and checked for leaks.

Maintenance Release

The aircraft and/or component(s) on N52VS was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 3392-05-2014.

DATE: 5/1/2014

SIGNED: *Wm Pustejovsky*

Work Order: 3392-05-2014

Pustejovsky, N, A&P: 3194257

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ENGINE MODEL:
TSIO-550-K
ENGINE S/N: 1008884
REG. NO: N52VS
WORK ORDER:
3443-06-2014



Houston Aviation Center, LLC
12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 6/13/2014
A/C TSN: 177.1
ENG TT: 177.1
FLIGHTTIME: 147.1

Engine Entries

Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n AA48108-2 and serviced engine with 8 qts. Phillips 20W50XC. Ran engine and checked for leaks.

Maintenance Release

The aircraft and/or component(s) on N52VS was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 3443-06-2014.

DATE: 6/13/2014

SIGNED: *Phillip Zual*

Work Order: 3443-06-2014

Zwahr P, A&P: 2685619

Printed by EBis 3 (datcomedia.com)

Time Since Last Overhaul

Engine Service and Maintenance Record

Hours Min

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

TIDAL AVIATION

DATE: 08-07-2014. ENG: TSiO-550K(1B).

TAIL #: N52VS. ENG. S#: 1008884.

A/C S#: 0601. HOBBS: 196.5 Hrs.

FLIGHT: 164.0 Hrs.

R/R engine cylinder spark plugs with new Champion RHB32S using T.C.M. SIL03-2C as reference for scope of maintenance, removed L/H & R/H magnetos using T.C.M. M-18 M.M. (12-2.1), performed a magneto 500 hrs inspection & adjusted internal magneto e-gap timing on L/H & R/H magnetos using Bendix X42002-3 M.M. (6-2.3,9-2.9), re-installed L/H & R/H magnetos & timed magnetos to engine using T.C.M. M-18 M.M. (17-14.2,6-3.9.1.1), checked & adjusted engine fuel flow pressures using Cirrus SR22T M.M. (ATA73-20.2C) & T.C.M. SID97-3F as reference for scope of maintenance, engine & components operational & leak checks satisfactory for return to service.

ALBERTO W, RINCON-V
A&P #: 3166786

TIDAL AVIATION

DATE: 10-16-2014. ENG: TSiO-550K(1B).

TAIL #: N52VS. ENG. S#: 1008884.

A/C S#: 0601. HOBBS: 202.8 Hrs.

FLIGHT: 167.8 Hrs.

Performed an Engine 100 hrs/Annual Inspection using Cirrus M.M, Continental I.C.A. publications, & F.A.R. Part 43, appendix D, as reference for scope of Inspection, engine-compression checks as follows:

M.O.	#1.	#3.	#5.	#2.	#4.	#6.
68/80.	79/80.	79/80.	79/80.	79/80.	79/80.	79/80.

Performed engine fuel system check using Cirrus M.M. (ATA 73-20), rmvd all spark plugs, cleaned, inspected, & re-installed in proper rotation using T.C.M. SIL03-2C, all applicable service bulletins & airworthiness directives are in compliance at the time of inspection, engine & component operational & leak checks satisfactory for return to service. I certified that this engine has been inspected in accordance with an Annual Inspection, and was found to be in Airworthy condition on this date.

LEONARD F, FIRTH.
A&P #:1943822 I.A.

Date: 11/11/2015; Aircraft: N52VS; Type: SR22T; S/N: 0601; Hobbs: 315.60; Tach;; Total Time: 315.60; Engine -

Type: TCM TSIO-550-K, S/N: 1008884, Time: 315.60

Shop Order #: SH-15-0500

Discrepancy: 300

ENGINE ANNUAL INSPECTION DUE.

Corrective Action: 300

COMPLIED WITH THE ANNUAL INSPECTION ON THIS ENGINE.

Discrepancy: 301

PERFORM COMPRESSION CHECK.

Corrective Action: 301

COMPRESSION CHECKED: 1-66/80, 2-65/80, 3-68/80, 4-69/80, 5-63/80, 6-71/80 ON THIS ENGINE.

MASTER ORIFICE READING IS 44.

Discrepancy: 302

CHANGED ENGINE OIL AND OIL FILTER,

Corrective Action: 302

CHANGED ENGINE OIL AND OIL FILTER, INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED.

INSTALLED NEW ENGINE OIL FILTER PART NUMBER AA48108-2. SERVICED ENGINE WITH 8 QUARTS

AEROSHELL W150 OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN.

Discrepancy: 303

TAKE ENGINE OIL SAMPLE.

Corrective Action: 303

TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was

Inspected & Repaired
Annual in accordance with current regulations of the Federal Aviation Administration
and inspection. I certify that this aircraft was found airworthy and

is approved for return to service. Pertinent details of the repair are on file at this repair station.

SIGNED: *Paul D. Schuster*

DATE: *11-11-15*

Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725

Date: 11/16/2015; Aircraft: N52VS; Type: SR22T; S/N: 0601; Hobbs: 315.60; Tach;; Total Time: 315.60; Engine -
Type: TCM TSIO-550-K, S/N: 1008884, Time: 315.60
Discrepancy: 300

CIRRUS SA15-04 R2, TCM CSB15-7A OIL COOLER CROSS FITTING REPLACEMENT.
Corrective Action: 300

VERIFIED THAT CIRRUS SA15-04 R2, TCM CSB15-7A OIL COOLER CROSS FITTING BULLETINS HAVE
BEEN PREVIOUSLY COMPLIED WITH. NEW STYLE FITTING WAS INSTALLED.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in
accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is
approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *Jeremy J. Smith* Dated: *11/16/15*
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date 11/24/2015

W/O# 14862



Engine Logbook Entry AIRCRAFT: N 52VS

CRS AWKR298C

S/N 0601

25170 Aviation Ave., Davis, CA 95616

Tach

331.7

COMPLIED WITH FUEL FLOW SET UP AS PER CMI SID97-3G CONTINUOUS FLOW FUEL INJECTION SYSTEMS ADJUSTMENT SPECIFICATIONS AND INSTRUCTIONS. ADJUSTED TAKE OFF FUEL FLOW, OPERATIONAL CHECKED NORMAL.

VERIFIED PREVIOUS COMPLIANCE WITH CIRRUS SA15-04R2 REFERENCING CONTINENTAL MOTORS CRITICAL SERVICE BULLETIN CSB15-7A. REMOVED CROSS FITTING AND INSPECTED OIL COOLER. NO DEFECTS NOTED. REINSTALLED FITTING, LEAK CHECK NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: [Signature]

Shawn Matthes AWKR298C

Date 2/15/2016

W/O# 14995



Engine Logbook Entry AIRCRAFT: N 52VS

CRS AWKR298C

S/N 0601

25170 Aviation Ave., Davis, CA 95616

Tach

349.8

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL W100 ENGINE OIL AND CAMGUARD. RUN UP AND LEAK CHECK NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: [Signature]

Shawn Matthes AWKR298C



Date 7/12/2016

W/O# 15374

Airframe Logbook Entry

CRS AWKR298C

AIRCRAFT: N 52VS

S/N: 0601

25170 Aviation Ave., Davis, CA 95616

Tach

377.1

REMOVED OIL PRESSURE TRANSDUCER AND INSTALLED NEW TRANSDUCER 1 EA P/N 12635-004, CLEANED CONNECTOR AND SECURED LEAD. OPERATIONAL AND LEAK CHECKED NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: [Signature]

Shawn Matthes AWKR298C

Date 11/9/2016

W/O# 15647



Engine Logbook Entry AIRCRAFT: N 52VS

CRS AWKR298C

S/N 0601

25170 Aviation Ave., Davis, CA 95616

Tach / Flight

382.9

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.

Eng TSN

382.9

VERIFIED PREVIOUS COMPLIANCE WITH AIRWORTHINESS DIRECTIVE 2016-21-04 EFFECTIVE DATE 11/18/2016 BY REPLACEMENT OF OIL COOLER CROSS FITTING ON 11/24/2015 @ 331.7 TT.

Eng TSO

N/A

COMPLIED WITH CMI SB 16-3 TURBOCHARGER CHECK VALVE CLEANING AND INSPECTION. REMOVED CHECK VALVE, CLEANED AND REINSTALLED. OPERATIONAL AND LEAK CHECKED NORMAL.

TTAF

382.9

COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL. COMPRESSION TEST RESULTS: #1- 55/80, #2- 58/80, #3- 53/80, #4- 60/80, #5- 54/80, #6- 70/80. MASTER ORIFICE: 42/80.

DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 100W ENGINE OIL AND ONE PINT OF CAMGUARD. COMPLIED WITH 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE. INSTALLED 12 NEW TEMPEST MASSIVE ELECTRODE SPARK PLUGS P/N URHB32E. ADJUSTED LEFT MAGNETO TIMING TO SPEC. INSTALLED 12 NEW ROCKER COVERS WITH NEW GASKETS. REMOVED STARTER P/N C24ST3 S/N 4C3-271304 AND INSTALLED NEW STARTER P/N 646275-1 S/N H-V-111635.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: [Signature]

Shawn Matthes AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed: [Signature]

Shawn Matthes AWKR298C

25170 Aviation Ave., Davis, CA 95616

- 409.3 COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.
- 409.3 COMPLIED WITH CMI SIL 17-02 BY INSTALLATION OF TURBOCHARGER CHECK VALVE FILTER.
- N/A MAINTENANCE MANUAL, COMPRESSION TEST RESULTS: #1- 60 /80, #2- 67 /80, #3- NEW, #4- 64 /80, #5- NEW, #6- 67 /80. MASTER ORIFICE: 46 /80.
- 409.3 **REMOVED #3 ENGINE CYLINDER P/N 658595 S/N AC13GA246. INSTALLED NEW CYLINDER P/N 658595A1 S/N AC171B349 WITH NEW PISTON. REMOVED #5 ENGINE CYLINDER P/N 658595 S/N AC13GA189. INSTALLED NEW CYLINDER P/N 658595A1 S/N AC171B326 WITH NEW PISTON. REMOVED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 100 MINERAL ENGINE OIL. COMPLIED WITH 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE. COMPLIED WITH CMI M-0 TURBOCHARGER CHECK VALVE CLEANING AND INSPECTION. INSTALLED NEW RIGHT MAGNETO BASE GASKET. TIMED LEFT AND RIGHT MAGNETOS TO ENGINE. INSTALLED NEW RH TURBO OIL INTAKE BASE GASKET. INSTALLED NEW LEFT TURBO OIL RETURN BASE GASKET.**

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:

[Signature]
Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed

[Signature]
Shawn Matthies AWKR298C

9/2018
6894



Engine Logbook Entry AIRCRAFT: N 52VS
CRS AWKR298C
S/N 0601

25170 Aviation Ave., Davis, CA 95616

- 420.1 LOOSENED AIR CONDITIONER COMPRESSOR BELT TENSION AND REMOVED DRIVE BELT. MOVED COMPRESSOR OUT OF THE WAY. REMOVED THRU BOLT AND REPLACED O-RINGS. TORQUE NUTS TO SPEC. REPOSITION COMPRESSOR, REINSTALLED DRIVE BELT AND RE-TENSIONED.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:

[Signature]
Shawn Matthies AWKR298C

ENGINE MODEL: TSIO-550-K1B
ENGINE S/N: 1008884
REG. NO: N52VS
WORK ORDER: Murrieta8963-07-2018

Gryphon Aircraft Services, LLC.
Repair Station No. CRS 2SDR271B
37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 7/17/2018
A/C TSN: 439.7
ENG TT: 439.7
TSMOH: 439.7
TACH: 439.7

Engine Entries

Hobbs-534.2 Flight- 439.7.
Changed oil and filter AA48108-2, Inspected filter element o.k. Serviced engine with 7 qts. Aeroshell 100w & 1 Cam Guard.
Run for leaks o.k...Visually inspect engine compartment for evidence of fuel leaks, oil leaks, exhaust leaks, and chafing of flexible hoses, rigid fluid lines, and wire bundles, no defects noted

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta8963-07-2018. FAA CRS #2SDR271B.

DATE: 7/17/2018 SIGNED: *[Signature]* Work Order: Murrieta8963-07-2018
Glen Kratz Printed by EBis 3 (datcomedia.com)
Certified Repair Station No. CRS 2SDR271B

Date 9/4/2018

W/O# 16989



Engine Logbook Entry AIRCRAFT: N 22CW

CRS AWKR298C

S/N 0601

25170 Aviation Ave., Davis, CA 95616

Tach / Flight 445.4 COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.

Eng TSN 445.4 COMPLIED WITH CIRRUS SA17-05, CMI SB16-8 TURBO EXHAUST TRANSITION INSPECTION.

Eng TSO COMPLIED WITH DIFFERENTIAL COMPRESSION TEST RESULTS: #1- 63/80, #2- 67/80, #3- 75/80, #4- 65/80, #5- 71/80, #6- 65/80. MASTER ORIFICE: 45 /80. REMOVED LEFT MAGNETO P/N 10-500556-101 S/N D13GA147. INSTALLED REBUILT MAGNETO P/N BL-500556-101 S/N D18DA247R PROVIDED BY CMI, CRS# PQ1269CE UNDER W/O 645100. SET LEFT AND RIGHT MAGNETO TO ENGINE TIMING.

TTAF 445.4

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: _____

Shawn Matthias AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed _____

Shawn Matthias AWKR298C

ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG. NO: N22CW
WORK ORDER:
Murrieta9092-09-2018

Gryphon Aircraft Services, LLC.

Repair Station No. CRS 2SDR271B
37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 11/1/2018
A/C TSN: 466.6
ENG TT: 466.6
TSMOH: 466.6
TACH: 466.6

Engine Entries

Applied Corr-Ban 22 corrosion prevention compound to exposed area of crankshaft.... Completed oil change IAW Savvy checklist, oil sample taken (results pending (blackstone), Inspected oil filter element for debris and none found, Serviced with 7 qts AS100w oil...Cleaned, gapped, and tested Spark Plugs...Run for leaks o.k.... Install GAMjector Kit P/N TIGT-550-19C S/N 27737, Replaced other injector seals as needed. Completed form 337 as required.

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta9092-09-2018. FAA CRS #2SDR271B.

DATE: 11/1/2018

SIGNED: _____

Work Order: Murrieta9092-09-2018

Glen Kratz
Certified Repair Station No. CRS 2SDR271B

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1 of 1

ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG. NO: N22CW
WORK ORDER:
Murrieta9216-11-2018

Gryphon Aircraft Services, LLC.

Repair Station No. CRS 2SDR271B
37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 12/13/2018
A/C TSN: 468.8
ENG TT: 468.8
TSMOH: 468.8
TACH: 468.8

Engine Entries

Removed and reinstalled engine fuel pump P/N 649368-60A7, S/N B13GA201 by D&G Supply, W.O.22858-1 FAA CRS NK2R034L. Set up fuel flows and idle circuits IAW Continental Manuals... Replaced #6 and #3 Fuel Injectors with NEW adjusted GAIMI's injectors

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta9216-11-2018. FAA CRS #2SDR271B.

DATE: 12/13/2018

SIGNED: _____

Work Order: Murrieta9216-11-2018

Glen Kratz
Certified Repair Station No. CRS 2SDR271B

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1 of 1

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

ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG. NO. N22CW
WORK ORDER:
Murrieta9276-01-2019

Gryphon Aircraft Services, LLC.

Repair Station No. CRS 2SDR271B
37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 1/7/2019
A/C TSN: 482
ENG TT: 482
TSMOH: 482
TACH: 482

Engine Entries

Swapped #1 and #5 Fuel injectors with "D" sized injectors from GAM injectors, Replaced upper deck air line grommets. Adjusted High End fuel flow to achieve 40 +/- fuel flow.... Changed oil and filter... Take oil sample and send to Black stone, Serviced As 100w oil and 2 each Av-Blend additives. Inspected filter element o.k.. Lubricated waste-gate linkage and Exhaust slip joints... Check flooded battery electrolyte levels. Inspect engine for leaks, nqn-noted.

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta9276-01-2019. FAA CRS #2SDR271B.

DATE: 1/7/2019

SIGNED: 

Work Order: Murrieta9276-01-2019

Glen Kratz
Certified Repair Station No. CRS 2SDR271B

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ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG. NO. N22CW
WORK ORDER:
Murrieta9476-04-2019

Gryphon Aircraft Services, LLC.

Repair Station No. CRS 2SDR271B
37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 4/16/2019
A/C TSN: 495
ENG TT: 495
TSMOH: 495
TACH: 495

Engine Entries

Removed throttle body P/N 656785-4 S/N A13FA161, replaced throttle body with new unit P/N 656785-7 S/N A18GA193, adjusted idle & idle mixture IAW Cirrus MM Chapter 73, lubed throttle control per Cirrus MM.

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta9476-04-2019. FAA CRS #2SDR271B.

DATE: 4/16/2019

SIGNED: 

Work Order: Murrieta9476-04-2019

Glen Kratz
Certified Repair Station No. CRS 2SDR271B

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ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG. NO. N22CW
WORK ORDER:
Murrieta9493-04-2019

Gryphon Aircraft Services, LLC.

Repair Station No. CRS 2SDR271B
37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 5/1/2019
A/C TSN: 495
ENG TT: 495
TSMOH: 495
TACH: 495

Engine Entries

Cleaned #4 Injector... Replaced both Exhaust and Intake Lifters and pushrod and tube gaskets, Replaced # 4 rocket cover gaskets... Replaced #4 intake gasket... Replaced #4 EGT probe with new.. Performed run up o.k. at this time, no leaks noted.... Changed oil filter with AA48108-2 serviced engine with 7 qts of AS100w, added AV blend... inspected oil filter and found no debris... Inspected A/C grommets & drive, no defects noted at this time... Cleaned air/oil separator... Inspected alternator terminals and found brush condition within limits... Cleaned & gaped all spark plugs... Checked and adjusted magneto timing, IAW Continental MM.... Cleaned turbo oil check valve IAW Continental MM.... Replaced #2 exhaust rocker cover gasket... Adjusted mixture control per Cirrus AMM.

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta9493-04-2019. FAA CRS #2SDR271B.

DATE: 5/1/2019

SIGNED: 

Work Order: Murrieta9493-04-2019

Glen Kratz
Certified Repair Station No. CRS 2SDR271B

Printed by EBis 3 (datcomedia.com)

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	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					
Carried forward →					

Maine Aviation
Aircraft Maintenance, LLC.

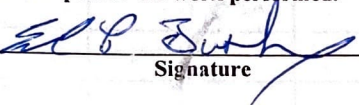
406 Yellowbird Road • Portland International Airport • Portland, ME 04102
(207) 780-1811 • Fax (207) 772-6900

CRS FSER011E

Date	WO#	Registration	Type/Model	SN	Tach	ACTT
05-16-19	43851	N22CW	Cirrus SR22T	0601	668.8	-----

- Drained oil, removed and inspected filter—no contamination noted. Installed new CI48108-1 Filter and serviced with 8 qts. of Aeroshell 15W-50 oil. Engine run up—no leaks noted.

I certify that this aircraft was repaired and inspected in accordance with current Regulations of the FAA and is approved for return to service with respect to the work performed.


Signature

CRS FSER011E
Type and Certificate Number

ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG. NO: N22CW
WORK ORDER:
Murrieta9561-06-2019

Gryphon Aircraft Services, LLC.

Repair Station No. CRS 2SDR271B
37880 Sky Canyon Drive
#802
Murrieta, CA 92583
Phone: 951-698-4260

DATE: 6/14/2019
A/C TSN: 579.2
ENG TT: 579.2
TSMOH: 579.2
TACH: 579.2

Engine Entries

Changed oil and filter, Inspect filter element o.k., take Black stone oil sample, run for leaks o.k.... Inspected engine compartment for general condition and defects, checked brake fluid reservoir... Perform 500 hour inspection on LH and RH magnetos. Install new distributor block, gear and capacitor on RH mag, install new contactors on LH and RH mags, set "E" gap on mags IAW TCM manual, install magnetos and time to engine.... Replaced #1 Alternator P/N ES10024 S/N H-R120600. Installed with new gasket and locking hardware

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta9561-06-2019. FAA CRS #2SDR271B.

DATE: 6/14/2019

SIGNED:


Glen Kratz
Certified Repair Station No. CRS 2SDR271B

Work Order: Murrieta9561-06-2019

Printed by EBis 3 (datcomedia.com)



AVIATION RESOURCES
101 Airport Ave, Hangar7
Cumberland, WI 54829

N22CW		ENGINE LOG BOOK ENTRY				9/17/19	
Cirrus	SR22 T	S/N 0601	Flight	599.0	Hobbs	742.7	
Continental	TSIO550K1	S/N 1008884	Flight	599.0	Hobbs	742.7	
Hartzell	PHC-JY31F-1N	S/N NJ791B	Flight	599.0	Hobbs	742.7	

Performed ground run. Removed cowling. Performed compression test - #1 48/80, #2 61/80, #3 70/80, #4 42/80, #5 70/80, and #6 65/80 - M/O 43/80. Removed spark plugs, and cleaned lead spring contacts. Borescope inspection found deficiencies. Removed #1, #2, #4, and #6 cylinders, and routed to Bolduc Aviation for repair under WO#32051. Reinstalled repaired cylinders #1, #2, #4, and #6. Installed new Tempest fine wire spark plugs P/N URHB32S. Removed and cleaned magnetic drain plug, found normal debris. Drained oil; took oil sample to route to Blackstone for analysis. Oil filter inspected; normal indications noted. Installed new Tempest oil filter P/N AA48109 and serviced with 8 quarts of 20W50 Type M oil. Removed and replaced air filter elements with new P/N 27166-001. Lubricated throttle, prop control rods, and mixture rods. Adjusted magneto-to-engine timing from left @ -0.7° and from right @ +0.6° of nominal of 24° BTDC to both at 24° BTDC. Removed magneto pressurization filter and replaced with new P/N 1396-2; next replacement due 7/2022 or at 899.0 flight hrs. Performed Engine-driven fuel pump leak check per Cirrus maintenance manual; re-clocked, and found satisfactory. Checked alternate air door; found satisfactory. Checked oil breather tube and relief hole; found satisfactory. Checked alternator #1 brushes per Cirrus maintenance manual; found satisfactory. Adjusted oil pressure up 1/2 turn. Tested #4 CHT probe with calibration kit; check found within +/- 5° @ 300. Cleaned turbo oil inlet filter. Serviced wastegate with mouse milk. Removed left turbo adapter plate, and routed for weld repair; reinstalled repaired adapter plate. Performed ground run and leak check; found satisfactory. Reinstalled cowling. (Refer to Job #22CW2 for details.)

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA FOR AN ANNUAL INSPECTION, AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P/IA 2755069
Cell (715) 491-1303
Email jim@aviationvibes.com




AVIATION RESOURCES, LLC
Hangar (715) 822-5787
www.aviationvibes.com





AVIATION RESOURCES
101 Airport Ave, Hangar7
Cumberland, WI 54829

N22CW		ENGINE LOG BOOK ENTRY				9/19/19	
Cirrus	SR22 T	S/N 0601	Flight	599.9	Hobbs	744.0	
Continental	TSIO550K1	S/N 1008884	Flight	599.9	Hobbs	744.0	
Hartzell	PHC-JY31F-1N	S/N NJ791B	Flight	599.9	Hobbs	744.0	

Removed cowling. Removed all 6 GAMI fuel injectors and cleaned; reinstalled #1, #2, #4, and #6 fuel injectors. Installed 19C series size "D" in position #3, and installed series 19C size "B" in position #5. IAW General Aviation Modifications Inc. STC SE0996SC. Adjusted high fuel flow out 1/2 turn. Cleaned fuel flow connector at baffle wall. Installed cowling. Ground run and leak check found satisfactory. (Refer to Job #22CW2 for details.)

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA, AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P/IA 2755069
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AVIATION RESOURCES
101 Airport Ave, Hangar7
Cumberland, WI 54829

N22CW		ENGINE LOG BOOK ENTRY				9/27/19	
Cirrus	SR22 T	S/N 0601	Flight	600.4	Hobbs	744.6	
Continental	TSIO550K1	S/N 1008884	Flight	600.4	Hobbs	744.6	
Hartzell	PHC-JY31F-1N	S/N NJ791B	Flight	600.4	Hobbs	744.6	

Removed cowling. Removed spark plugs. Complied with TCM Cylinder Modification SB 18-08A by grinding down #3 & #5 cylinders. Installed spark plugs. Installed cowling. (Refer to Job #22CW2 for details.)

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA, AND IS APPROVED FOR RETURN TO SERVICE.

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Hangar (715) 822-5787
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AVIATION RESOURCES
 101 Airport Ave, Hangar7
 Cumberland, WI 54829

N22CW	ENGINE LOG BOOK ENTRY						10/01/19
Cirrus	SR22 T	S/N 0601	Flight	601.0	Hobbs	745.5	
Continental	TSIO550K1	S/N 1008884	Flight	601.0	Hobbs	745.5	
Hartzell	PHC-JY31F-1N	S/N NJ791B	Flight	601.0	Hobbs	745.5	

Removed cowling. Removed #3 GAMIjector series 19C size "D" and replaced with size "B". Installed cowling.
 (Refer to Job #22CW2 for details.)

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA, AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P/IA 2755069
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AVIATION RESOURCES
 101 Airport Ave, Hangar7
 Cumberland, WI 54829

N22CW	ENGINE LOG BOOK ENTRY						10/26/19
Cirrus	SR22 T	S/N 0601	Flight	604.0	Hobbs		
Continental	TSIO550K1	S/N 1008884	Flight	604.0	Hobbs		
Hartzell	PHC-JY31F-1N	S/N NJ791B	Flight	604.0	Hobbs		

Removed cowling. Removed engine driven fuel pump, and replaced with overhauled unit P/N 649368-60A70H, S/N B16HA021, and new gasket P/N SA642238; ground run and leak check found satisfactory. Installed cowling.
 (Refer to Job #22CW2 for details.)

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA, AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P/IA 2755069
 Cell (715) 491-1303
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 Hangar (715) 822-5787
 www.aviationvibes.com

AVIATION RESOURCES
 101 Airport Ave, Hangar7
 Cumberland, WI 54829

N22CW	ENGINE LOG BOOK ENTRY						10/29/19
Cirrus	SR22 T	S/N 0601	Flight	606.5	Hobbs	752.7	
Continental	TSIO550K1	S/N 1008884	Flight	606.5	Hobbs	752.7	
Hartzell	PHC-JY31F-1N	S/N NJ791B	Flight	606.5	Hobbs	752.7	

Removed cowling. Drained oil, sample taken for analysis. Removed top spark plugs. Removed oil filter and examined internal element for contamination, none found. Installed top spark plugs and torqued, cleaned ignition leads and installed. Installed new filter P/N AA48109 and 8 quarts 20W50 Type M oil. Removed #3 GAMIjector series 19C size "B", and installed size "A". Removed E6 GAMIjector series 19C size "F", and installed size "G". Rotated mechanical fuel pump counter clockwise to facilitate mixture arm sweep. Removed mixture arm nut and cotter pin, securing mixture cable to pump. Replaced rod end with new P/N HF-3M; ground run and leak check found satisfactory. Installed cowling. (Refer to Job #22CW2 for details.)

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA, AND IS APPROVED FOR RETURN TO SERVICE.

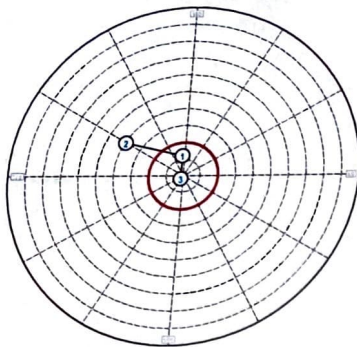
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 Email jim@aviationvibes.com



AVIATION RESOURCES, LLC
 Hangar (715) 822-5787
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ENGINE/PROP DYNAMICALLY BALANCED

— POLAR PLOT - 1.0 IN/S FS —



Operator Comments

Performed a dynamic propeller balance IAW FAA APPROVED Hartzell Service Instruction #145 and Chadwick Helmuth doc AW 9511-2 dated 12 June 1990 using DSS MicroVib II equipment and application note AN-MV2 Prop Rev 00 1 July 2003. Initial IPS of .121 @ 2500 rpm reduced to .023 IPS @ 2500 rpm by installation of AN hardware balance weights on spinner rear bulkhead. Jim Barker A&P 2755069 Aviation Resources, LLC 101 Airport ave Hangar 7 Cumberland, WI 54829 Hangar (715) 822 5787 Cell (715) 491 1303 Jim@aviationvibes.com www.aviationvibes.com

Ice and Maintenance Record

actions including engine part removal and maintenance with inspections, Airworthiness Directives, Modifications and Service Bulletins

N22CW Cirrus SR 22 T 0601 608.5 Hrs
Cont/Hart 1008884
Front of engine
MicroVib II SN:1177 Cal:03/20/2019
Initial: 0.121 IN/S @ 2499.6 RPM Final: 0.023 IN/S @ 2500.2 RPM

Oper: _____
 Date: 10/29/2019 *[Signature]* **Jim Barker**

Chackwright

ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG. NO: N22CW
WORK ORDER:
Murrieta9908-01-2020

Gryphon Aircraft Services, LLC.

Repair Station No. CRS 2SDR271B
37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-898-4260

DATE: 1/10/2020
A/C TSN: 628.1
ENG TT: 628.1
TSMOH: 628.1
TACH: 628.1

Engine Entries

Applied Stabilant 22 on Tach connection on RH engine baffle, remove ALT #2 cover performed visual inspection. No defects noted reinstalled cover IAW MM.... Changed oil and filter with 8 qts. AS-w100 oil and AA48108-2 oil filter. Inspect filter element o.k., run for leaks o.k.... Inspected engine compartment for general condition and defects, checked brake fluid reservoir ok at this time.... Removed turbo support bracket and reinstalled in the correct orientation IAW MM.

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta9908-01-2020. FAA CRS #2SDR271B.

DATE: 1/10/2020

SIGNED: *[Signature]*
 Johnny Wildman
 Certified Repair Station No. CRS 2SDR271B

Work Order: Murrieta9908-01-2020
 Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG. NO: N22CW
WORK ORDER:
Murrieta10089-04-2020



Gryphon Aircraft Services, LLC.

37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-898-4260

DATE: 12/1/2020
A/C TSN: 632.5
ENG TT: 632.5
TSMOH: 632.5
TACH: 632.5

Engine Entries

Completed 100 HOUR INSPECTION per Gryphon Aircraft Services Inspection form. Changed oil and filter CH48108-1. Serviced engine with 7 qts. a/s 100w. Compression check #1 74 #2 64 #3 66 #4 66 #5 62 #6 74. Cleaned, gapped and tested all spark plugs. See AD note update sheet and master list for complete AD note history thru this date and current revision.... Added Adel clamps to engine drain manifold.... Removed and replaced intake rocker cover gaskets on cylinders #3 and #5.... Safety wired LH & RH exhaust turbo clamps.... AD 2020-16-11 and MSB 18-08B Does not apply to Cylinders 1, 2, 4, 6 and Cylinders 3 and 5 have been previously complied with.... Cleaned corrosion from LH & RH turbo compressor intake.... Installed Sure Fly Electronic Ignition system in the left side location. PN SIM6C SN 6C-2220037 IAW STC SE04349CH.... Removed electric fuel pump and send out for repair to CJ aviation. P/N 5217-00-3 S/N 1943, Reinstalled electric fuel pump after repair was completed by CJ Aviation INC> under 8130 tracking # 31142 CRS # YPGR715L dated 11/12/2020

I Certify that this ENGINE has been inspected IAW an 100 hour inspection and was determined to be in AIRWORTHY Condition. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta10089-04-2020. FAA CRS #2SDR271B.

DATE: 12/1/2020

SIGNED: *[Signature]*

Work Order: Murrieta10089-04-2020
 Printed by EBis 3 (datcomedia.com)

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	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					

ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG NO: N22CW
WORK ORDER:
Murrieta10803-05-2021



Gryphon Aircraft Services, LLC.

37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 5/4/2021
A/C TSN: 651.7
ENG TT: 651.7
TSMOH: 651.7
TACH: 651.7

Engine Entries

Performed an Oil Change, Drained oil and serviced engine with 7qts of AeroShell 100w. Installed new AA48108-2 oil filter, inspected old filter for debris and found to be OK at this time. Run engine for leaks non notes at this time. Installed new A/C drive unit shaft IAW Cirrus AMM. Operational check of A/C system o.k.

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta10803-05-2021. FAA CRS #2SDR271B.

DATE: 5/4/2021

SIGNED:

Work Order: Murrieta10803-05-2021

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ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG NO: N22CW
WORK ORDER:
Murrieta10924-06-2021



Gryphon Aircraft Services, LLC.

37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 6/29/2021
A/C TSN: 668.3
ENG TT: 668.3
TSMOH: 668.3
TACH: 668.3

Engine Entries

Timed right magneto to engine to spec per the engine data plate, Secured attaching hardware. Performed compression check on all 6 cylinders. Cleaned all 6 fuel injectors IAW Continental MM. Removed Upper deck injection rails cleaned and replaced connection seals. Performed A engine fuel system set up IAW the CMI Maintenance manual.

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta10924-06-2021. FAA CRS #2SDR271B.

DATE: 6/29/2021

SIGNED:

Work Order: Murrieta10924-06-2021

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N22CW

CIRRUS SR22T

S/N 0601

FLIGHT: 672.8

All work performed in accordance with the Cirrus SR22/SR22T Airplane Maintenance Manual P/N 13773-001, Rev. B8 dated 04 Sep 2018.

Performed the following maintenance actions:

1. Removed P/N 5217-00-3, S/N 1943 Electric Fuel Pump and installed new P/N 42263-001, S/N 227239 Fuel Pump IAW Cirrus AMM, Ch. 28-20 and Cirrus SB2X-28-15 instructions. Operational and leak check good; no defects noted.

This aircraft and/or component has been repaired and inspected in accordance with current Federal Air Regulations and was found to be in an airworthy condition with respect to the work performed and is approved for return to service.

Signed:

W.O# 23705

Dated 07/01/2021

Michael Rogers - Inspector
MARTIN AVIATION, MAINTENANCE
19300 IKE JONES ROAD, SANTA ANA, CA 92707
CRS #M8VR406N

Page 1 of 1

ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG NO: N22CW
WORK ORDER:
Murrieta10982-07-2021



Gryphon Aircraft Services, LLC.

37680 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 7/16/2021
A/C TSN: 677.2
ENG TT: 677.2
TSMOH: 677.2
TACH: 677.2

Engine Entries

Performed an engine run up, Removed cowlings, Drained engine oil and recovered A oil sample, Sent sample out to Blackstone, Removed oil filter, Replaced filter with new AA48108-2 and safetied. Serviced engine with 7 quarts Aeroshell 100W. Performed a run up leak check with no leaks noted, Reinstalled cowlings. Inspected engine compartment for general condition and defects, checked brake fluid reservoir. Checked air/oil separator, Pulled alternator brushes, Inspected and reinstalled, Checked alternator connections, No defects noted. Removed all 12 spark plugs, cleaned and gapped, Reinstalled and torqued to spec. Removed Turbo check valve, Cleaned and reinstalled, Torqued to spec.

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta10982-07-2021. FAA CRS #2SDR271B.

DATE: 7/16/2021

SIGNED:

Work Order: Murrieta10982-07-2021

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WORK ORDER: Mumrieta11034-08-2021



37680 Sky Canyon Drive #602 Murrieta, CA 92563 Phone: 951-698-4260

DATE: 8/9/2021 A/C TSN: 725.8 ENG TT: 725.8 TSMOH: 725.8 TACH: 725.8

Engine Entries

Performed a engine run up, Removed cowlings, Drained engine oil and recovered A oil sample, Sent sample out to Blackstone, Removed oil filter, Replaced filter with new AA48108-2 and safetied. Serviced engine with 7 quarts Aeroshell w100. Performed a run up leak check with no leaks noted, Reinstalled cowlings.... Inspected engine compartment for general condition and defects, checked brake fluid reservoir... Installed new GAMI fuel injectors in cylinders #3,6 IAW Continental MM.... Adjusted Idle mixture & Idle IAW Continental MM & Cirrus AMM.

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Mumrieta11034-08-2021. FAA CRS #2SDR271B.

DATE: 8/9/2021

SIGNED:

Work Order: Mumrieta11034-08-2021

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: TSIO-550-K1B ENGINE S/N: 1008884 REG. NO: N22CW WORK ORDER: Mumrieta11285-12-2021



Gryphon Aircraft Services, LLC.

37680 Sky Canyon Drive #602 Murrieta, CA 92563 Phone: 951-698-4260

DATE: 1/21/2022 A/C TSN: 727.8 ENG TT: 727.8 TSMOH: 727.8 TACH: 727.8

Engine Entries

Completed 100 HOUR INSPECTION per Gryphon Aircraft Services Inspection form. Changed oil and filter AA48108-2. Serviced engine with 7 qts. Phillips 20W50XC. Compression check #1 74 #2 74 #3 72 #4 75 #5 69 #6 76. Cleaned, gapped and tested all spark plugs. See AD note update sheet and master list for complete AD note history thru this date and current revision.... Timed RH magneto to spec as per engine data plate.... Installed new rivet on RH aft engine baffle IAW Cirrus AMM.... Removed rocker covers and old gasket cleaned inspected and reinstalled with silicon style gaskets IAW Cirrus AMM... Rerouted fuel line and throttle cable IAW Cirrus AMM... Re bonded LH turbo inlet sleeve, Let cure for 24 hours per the Cirrus AMM.... Removed and replaced intercooler sceet hose with new IAW Cirrus AMM

I Certify that this ENGINE has been inspected IAW an 100 hour inspection and was determined to be in AIRWORTHY Condition. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Mumrieta11285-12-2021 FAA CRS #2SDR271B.

DATE: 1/21/2022

SIGNED:

Work Order: Mumrieta11285-12-2021

ENGINE MODEL: TSIO-550-K1B ENGINE S/N: 1008884 REG. NO: N22CW WORK ORDER: Mumrieta11407-03-2022



Gryphon Aircraft Services, LLC.

37680 Sky Canyon Drive #602 Murrieta, CA 92563 Phone: 951-698-4260

DATE: 3/22/2022 A/C TSN: 753.8 ENG TT: 727.8 TSMOH: 727.8 TACH: 753.8

Engine Entries

Performed a engine run up, Removed cowlings, Drained engine oil and recovered A oil sample, Sent sample out to Blackstone, Removed oil filter, Replaced filter with new AA48108-2 and safetied. Serviced engine with 7 quarts Phillips 20w-50xc. Performed a run up leak check with no leaks noted, Reinstalled cowlings.... Inspected engine compartment for general condition and defects, checked brake fluid reservoir... Lubricated waste gate IAW Cirrus AMM

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Mumrieta11407-03-2022. FAA CRS #2SDR271B.

DATE: 3/22/2022

SIGNED:

Work Order: Mumrieta11407-03-2022

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ENGINE MODEL: TSIO-550-K1B ENGINE S/N: 1008884 REG. NO: N22CW WORK ORDER: Mumrieta11502-05-2022



Gryphon Aircraft Services, LLC.

37680 Sky Canyon Drive #602 Murrieta, CA 92563 Phone: 951-698-4260

DATE: 6/6/2022 A/C TSN: 759.1 ENG TT: 733.1 TSMOH: 733.1 TACH: 759.1

Engine Entries

Replaced #4 cylinder, Exhaust lifter, Exhaust springs (inner and outer), Rotocoil assy, valve keepers, pushrod tube seals, IRW Continental M-O and M-18. RU for leaks o.k.

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Mumrieta11502-05-2022. FAA CRS #2SDR271B.

DATE: 6/6/2022

SIGNED:

Work Order: Mumrieta11502-05-2022

Date

Total Time

Time Since Last Overhaul

Engine Service and Maintenance Record

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

ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG. NO: N22CW
WORK ORDER:
Murrieta11535-06-2022



Gryphon Aircraft Services, LLC.

37880 Sky Canyon Drive
#602
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 7/18/2022
A/C TSN: 763.7
ENG TT: 737.7
TSMOH: 737.7
TACH: 763.7

Engine Entries

Adjusted engine oil pressure up to spec... Replaced #4 fuel injector with new GAMI injector IRW Continental MM... Removed RH magneto PN 10-500556-101 SN D13GA148, replaced with repaired magneto PN BL-500556-101 SN D18DA247R with new gasket and bushings IRW Continental MM... Gaped SureFly plugs to .025... Cleaned LH TIT probe connection with Stabilant 22... Performed A fuel system set up IRW the Continental MM & Cirrus AMM... Installed #4 cylinder intake push tube and lifter after removed and inspected, Torqued hardware to CMM spec... Installed after repairs were completed by Great Planes, Fuel pump P/N 649368-60A7 S/N B16HA021 Throttle body P/N 656785-7 S/N A18GA193 Fuel flow divider P/N 646433-17A1 S/N C13FA135 IRW Continental MM... Replaced all upper deck rubber hoses with new IRW Continental MM... Replaced #5 fuel injector with new GAMI injector IRW Continental MM.

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DATE: 7/18/2022

SIGNED:

Work Order: Murrieta11535-06-20_2

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 AVIATION RESOURCES 101 Airport Ave, Hangar7 Cumberland, WI 54829	ENGINE LOG BOOK ENTRY							8/8/2022
	N22CW							
	Cirrus	SR22 T	S/N 0601	Flight	779.7	Hobbs	989.3	
	Continental	TSIO 550K1	S/N 1008884	Flight	779.7	Hobbs	989.3	
Hartzell	PHC-J3Y1F-1N	S/N NJ791B	Flight	779.7	Hobbs	989.3		

Removed cowling. Accessed #3 and #5 cylinder exhaust valve guides; found internal dimension correct. Drained oil. Flushed #3 and #5 cylinders with solvent. Installed 8 quarts Phillips 20W50XC oil. Assembled with new lock tabs. Calibration check of CHT indication system found rise speed within 10 seconds of each probe. Replaced #3 (C) and #5 (E) with used (E) fuel nozzles. Checked timing; adjusted magneto from .8° (retarded) and SureFly from 1.5° (retarded) to both at 24° BTDC. Adjusted idle mixture to 30 rpm rise. Leak check and ground run found satisfactory. Installed cowling. (Refer to Job #22CW3 for details.)

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA, AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P/IA 2755069
Cell (715) 491-1303
Email jim@aviationvibes.com



AVIATION RESOURCES, LLC
Hangar (715) 822-5787
www.aviationvibes.com

 AVIATION RESOURCES 101 Airport Ave, Hangar7 Cumberland, WI 54829	ENGINE LOG BOOK ENTRY							8/11/2022
	N22CW							
	Cirrus	SR22 T	S/N 0601	Flight	780.9	Hobbs	991.1	
	Continental	TSIO 550K1	S/N 1008884	Flight	780.9	Hobbs	991.1	
Hartzell	PHC-J3Y1F-1N	S/N NJ791B	Flight	780.9	Hobbs	991.1		

Removed cowling. Removed existing SureFly harness, all spark plugs, and #2 induction tube. Installed pressurized harness on SureFly and routed to all lower spark plug locations. Positioned all magneto leads on #1, #3, and #5 cylinders to TOP spark plugs. Installed new Tempest URHB32S spark plugs at standard gap for magneto and gapped all SureFly plugs to .025". Timed SureFly to 25° BTDC and magneto to 22° BTDC (limits of Type Certificate). Installed #2 induction tube with new gasket. The above is considered a minor alteration to the SureFly installation. Leak check and ground run found satisfactory. Installed cowling. (Refer to Job #22CW3 for details.)

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA, AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P/IA 2755069
Cell (715) 491-1303
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AVIATION RESOURCES, LLC
Hangar (715) 822-5787
www.aviationvibes.com

ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG. NO: N22CW
WORK ORDER:
Murrieta11861-12-2022



Gryphon Aircraft Services, LLC.

37920 Sky Canyon drive
Suite 1001
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 1/20/2023
A/C TSN: 855.6
ENG TT: 829.6
TSMOH: 829.6
TACH: 855.6

Engine Entries

Completed 100 HOUR INSPECTION per Cirrus Aircraft SR2X AMM Inspection Checklist. Changed oil and filter AA48108-1. Serviced engine with 7 qts. Aeroshell 100W. Compression check #1 71 #2 77 #3 63 #4 73 #5 61 #6 78. Cleaned, gapped and tested all spark plugs. See AD note update sheet and master list for complete AD note history thru this date and current revision.... Adjusted oil pressure down to 52/54 PSI IRW the Continental M-0... Completed borescope of all 6 cylinders no noted items at this time.... Replaced fuel drain line IRW Continental MM and Cirrus AMM.... Removed propeller and worn crank seal. Install new crank seal and install propeller with new o-ring and mounting nuts IRW Continental MM & Cirrus AMM.... Removed LH turbo drain reservoir cleaned prepped and reinstalled using new gasket in reference to Continental MM.... Stop drilled crack on RH engine baffling in reference to Cirrus AMM.... Installed new spark plug in reference to Continental MM.... Adjusted upper fuel manifold drain line in reference to Cirrus AMM.... Replaced #3 fuel line with new in reference to Cirrus AMM.... Replaced #6 EGT probe with new IRW Cirrus AMM.... Replaced LH TIT probe with new IRW Cirrus AMM

I Certify that this ENGINE has been inspected IRW a ANNUAL inspection per the MFG's inspection check list and was determined to be in AIRWORTHY Condition. All work performed IRW applicable service

DATE: 1/20/2023

SIGNED:

Work Order: Murrieta11861-12-2022

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ENGINE MODEL:
TSIO-550-K1B
ENGINE S/N: 1008884
REG. NO: N22CW
WORK ORDER:
Murrieta12016-03-2023



Gryphon Aircraft Services, LLC.

37920 Sky Canyon drive
Suite 1001
Murrieta, CA 92563
Phone: 951-698-4260

DATE: 4/25/2023
A/C TSN: 883.2
ENG TT: 857.2
TSMOH: 857.2
TACH: 883.2

Engine Entries

Performed a engine run up, Removed cowlings, Drained engine oil and recovered A oil sample, Sent sample out to Blackstone, Removed oil filter, Replaced filter with new AA48108-2 and safetied. Serviced engine with 7 quarts Aeroshell 100W. Performed a run up leak check with no leaks noted, Reinstalled cowlings, all work performed IRW Cirrus AMM & Continental M-0.... Inspected engine compartment for general condition and defects, checked brake fluid reservoir... Lubricated waste-gate

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DATE: 4/25/2023

SIGNED:

Work Order: Murrieta12016-03-2023

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