



CONTINENTAL

A E R O S P A C E T E C H N O L O G I E S

**ENGINE
LOG
BOOK**

ENGINE MODEL: TSIO-550K-2B
ENGINE S/N: 1038561
REG NO: N16YZ
WORK ORDER: 6692



Nassau Flyers
1300 New Hwy
Farmingdale, NY 11735
Phone: 631-454-0626

DATE: 10/30/2020
A/C TSN: 181 2
ENG TT: 181 2
TACH: 181 2

Engine Entries

- Performed a 100 hour inspection of engine per Cirrus AMM and Cirrus inspection checklists, Chaps 05-02 and 05-30.
- *Ran engine to normal operating temperature and checked systems for normal operation, no defects noted.
- *Performed engine compression leak down check, results were as follow: 1:77/80, 2:72/80, 3:72/80, 4:68/80, 5:71/80, 6:72/80.
- *Master Orifice reading was 43.
- *Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 8 quarts Phillips 20W50 X/C oil.
- *Removed/cleaned/inspected/reinstalled oil suction screen.
- *Removed oil filter and inspected for metal contamination, no metal noted.
- *Installed/torqued/saftied new oil filter(CH48-108).
- *Removed/cleaned/gapped/tested reinstalled all spark plugs with new gaskets, no defects noted.
- *C/W ICA Tanis Engine Heater, no defects noted.
- *Checked magneto to engine timing, adjusted as necessary.
- AD2020-16-11 Cross Flow Cylinder Assemblies does not apply to this engine by P/N or S/N of installed cylinder assemblies.
- Adjusted engine idle and mixture to correct specs per CMM.
- Removed cracked LH induction air box, and replaced with new.
- Removed torn grommet on aft LH engine baffle and replaced with new.
- Replaced leaking #2 and #6 cylinder push rod tube seals with new.
- Washed down engine and lubricated controls.
- *Performed post inspection run up and leak check, no defects noted.

Maintenance Release

This aircraft, engine, propeller or component(s) on N16YZ were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

DATE: 10/30/2020

SIGNED:

Work Order: 6692

Daron McFadden, A&P: 4138120

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ENGINE MODEL: TSIO-550K-2B
ENGINE S/N: 1038561
REG NO: N16YZ
WORK ORDER: 6728



Nassau Flyers
1300 New Hwy
Farmingdale, NY 11735
Phone: 631-454-0626

DATE: 12/23/2020
A/C TSN: 232 1
ENG TT: 232 1
TACH: 232 1

Engine Entries

- Performed engine operational and function check IAW Cirrus AMM 5-30.
- *Performed engine 50 Hr. inspection IAW Cirrus AMM 5-20 and Continental AMM.
- *Drained engine oil and collected oil sample for AvLab oil analysis. Serviced with 8 quarts of Phillips 20W50 X/C. Replaced oil filter with new (CH48-108). Performed particulate inspection on filter, no discrepancies noted.
- *Washed down engine and lubricated controls.
- *Performed post inspection run up and leak check with no discrepancies noted.
- *All work accomplished IAW Cirrus AMM 12-10 and Continental AMM.

Maintenance Release

This aircraft, engine, propeller or component(s) on N16YZ were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

DATE: 12/23/2020

SIGNED:

Work Order: 6728

Mohammed Farhanuddin, A&P: 4183289

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02-23-2021<>N16YZ<>SN:2075<>Airframe Logbook<>EngSN:1038561<>ETT:267.7

Performed the following maintenance items:

- 1.R&R RH magneto with new, pn:10-500556-101, sn:D20BA093, and timed to engine per Continental Standard Practices Maintenance Manual M-0, 6-4.9.1.2. Ground run, operational and leak checked ok. Removed magneto pn:10-500556-101, sn:D19EA206.

I certify that this work has been inspected and determined to be in airworthy condition and approved for return to service with respect to the work performed. Pertinent details are on file this repair station under invoice number SHO-21-5089.

Signature: Ryan Grenhoff

Byerly Aviation, Inc. Greater Peoria Airport



Peoria, IL. 61607 Certificate # 9BYR810B

ENGINE MODEL TSIO-550K-2B
ENGINE S/N 1038561
REG NO N16YZ
WORK ORDER 6767



Nassau Flyers
1300 New Hwy
Farmingdale, NY 11735
Phone 631-454-0626

DATE 3/1/2021
A/C TSN 271 2
ENG TT 271 2
TACH 271 2

Engine Entries

- Performed a 100 hour inspection of engine per Cirrus AMM and Cirrus inspection checklists, Chaps 05-02 and 05-30.
- *Ran engine to normal operating temperature and checked systems for normal operation, no defects noted.
- *Performed engine compression leak down check, results were as follows: #1:55/80, #2:62/80, #3:58/80, #4:62/80, #5:65/80, #6:66/80.
- *Master Orifice reading was 41/80.
- *Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 8 quarts Phillips 20W50 X/C oil.
- *Removed/cleaned/inspected/reinstalled oil suction screen.
- *Removed oil filter and inspected for metal contamination, no metal noted.
- *Installed/torqued/saftied new oil filter(CH48-108).
- *Removed/cleaned/gapped/tested reinstalled all spark plugs with new gaskets, no defects noted.
- *C/W ICA Tanis Engine Heater, no defects noted.
- *Checked magneto to engine timing, adjusted as necessary.
- Removed fuel injector nozzles, cleaned, inspected, tested, and reinstalled. No defects noted.
- Removed dirty induction air filter and replaced with new.
- Removed leaking engine starter o-ring and replaced with new.
- Replaced leaking #3 cylinder push rod tube seals with new.
- Removed all leaking rocker cover gaskets and replaced with new.
- Washed down engine and lubricated controls.
- *Performed post inspection run up and leak check, no defects noted.

Maintenance Release

This aircraft, engine, propeller or component(s) on N16YZ were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 3/1/2021

SIGNED:

Work Order: 6767

Darion McFadden, A&P 4138120

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ENGINE MODEL TSIO-550K-2B
ENGINE S/N 1038561
REG NO N16YZ
WORK ORDER 6833



Nassau Flyers
1300 New Hwy
Farmingdale, NY 11735
Phone 631-454-0626

DATE 5/24/2021
A/C TSN 319 4
ENG TT 319 4
TACH 319 4

Engine Entries

- Performed engine operational and function check IAW Cirrus AMM 5-30.
- *Performed engine 50 hr inspection IAW Cirrus AMM 5-20 and Continental AMM.
- *Drained engine oil and collected oil sample for AvLab oil analysis. Serviced with 8 quarts of Phillips 20W50 X/C. Replaced oil filter with new (CH48-108). Performed particulate inspection on filter, no discrepancies noted.
- *Washed down engine and lubricated controls.
- *Performed post inspection run up and leak check with no discrepancies noted.
- *All work accomplished IAW Cirrus AMM 12-10 and Continental AMM.

Maintenance Release

This aircraft, engine, propeller or component(s) on N16YZ were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 5/24/2021

SIGNED:

Work Order: 6833

Mohammed Farhanuddin, A&P 4183289

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ENGINE MODEL: TSIO-550K-2B
ENGINE S/N: 1038561
REG. NO: N16YZ
WORK ORDER: 6859



Nassau Flyers
1300 New Hwy
Farmingdale, NY 11735
Phone: 631-454-0626

DATE 6/26/2021
A/C TSN 345.8
ENG TT 345.8
TACH 345.8

Engine Entries

- Removed defective RH magneto and replaced with new (P/N: BL-500556-101; S/N off: D20BA093, S/N on: D20FA247R).
- *Checked magneto to engine timing, adjusted as necessary.
- *Performed ground run-up and operational check of RH magneto, no defects noted.

Maintenance Release

This aircraft, engine, propeller or component(s) on N16YZ were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

DATE: 6/26/2021

SIGNED:

Work Order: 6859

Darion McFadden, A&P: 4138120

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ENGINE MODEL TSIO-550K-2B
ENGINE S/N 1038561
REG NO N16YZ
WORK ORDER 6869



Nassau Flyers
1300 New Hwy
Farmingdale, NY 11735
Phone 631-454-0626

DATE 7/13/2021
A/C TSN 356 3
ENG TT 356 3
TACH 356 3

Engine Entries

- Performed a 100 hour inspection of engine per Cirrus AMM, Cirrus CMX inspection checklist and Continental AMM
- *Ran engine to normal operating temperature and checked systems for normal operation, no defects noted
- * Performed cylinder differential compression checks and borescope inspections IAW Continental AMM Manual. No discrepancies noted. Compression results as follows: 1) 67/80 2) 64/80 3) 67/80 4) 64/80 5) 64/80 6) 64/80
- *Master Orifice reading was 40/80
- *Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 8 quarts Phillips 20W50 X/C oil
- *Removed/cleaned/inspected/reinstalled oil suction screen
- *Removed oil filter and inspected for metal contamination, no metal noted
- *Installed/torqued/saftied new oil filter(CH48-108-1)
- *Removed/cleaned/gapped/tested reinstalled all spark plugs with new gaskets, no defects noted
- *C/W ICA Tanis Engine Heater, no defects noted
- *Checked magneto to engine timing, adjusted as necessary

Maintenance Release

This aircraft, engine, propeller or component(s) on N16YZ were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE 7/13/2021

SIGNED

Work Order 6869

Danon McFadden, A&P 4138120

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Car

ENGINE MODEL:
ENGINE S/N:
REG NO: N16YZ
WORK ORDER: 09453-09-2021



US Flight Aircraft Maintenance

CIRRUS AUTHORIZED SERVICE CENTER
1 WALLINGFORD RD
HANGAR 5 & 6
Danbury, CT 06810 USA
Phone: 914-288-8088

DATE: 10 September, 2021
A/C TSN: 490.8
ENG TT: 383.3
TACH: 383.3

Engine Entries

- Engine warmed to operating temperatures, drained oil, Extract oil sample for analysis.

Removed and cut open filter, inspected filter, no metals noted.
Installed and Torqued new AA48109 filter.

Inspected the 1/2 inch cylinder flange nuts for corrosion and treated with LPS-3 I/A/W CAT Manual M-0, M.M M-16 6-4.11.1

Serviced engine with 8 qts Phillips 20w50 Victory oil.

Complied with oil change service I/A/W CAT MM M-16 6-3.3 & CAT M-0, Performed ground run, no leaks noted.

Technicians Who Worked On The Items Listed Above:
Bernard Paquette

The work performed has been approved for return to service.

DATE: 10 September, 2021

SIGNED

Work Order: 09453-09-2021

Bernard Paquette, A&P: 4454003FA

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ENGINE MODEL TSIO-550K-2B
ENGINE S/N 1038561
REG NO N16YZ
WORK ORDER 6942



Nassau Flyers
1300 New Hwy
Farmingdale, NY 11735
Phone 631-454-0626

DATE 10/13/2021
A/C TSN: 416 2
ENG TT: 416 2
TACH: 416 2

Engine Entries

- Performed engine operational and function check IAW Cirrus AMM 5-30.
- *Performed engine 50 hr inspection IAW Cirrus AMM 5-20 and Continental AMM.
- *Drained engine oil and collected oil sample for AvLab oil analysis. Serviced with 8 quarts of Phillips 20W50 X/C. Replaced oil filter with new (CH48-108). Performed particulate inspection on filter, no discrepancies noted.
- *Washed down engine and lubricated controls.
- *Performed post inspection run up and leak check with no discrepancies noted.
- *All work accomplished IAW Cirrus AMM 12-10 and Continental AMM.

Maintenance Release

This aircraft, engine, propeller or component(s) on N16YZ were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE 10/13/2021

SIGNED

Work Order: 6942

John Magnowski, A&P 3273394

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Total Time

Time Since Last
Overhaul

Engine Service and Maintenance Record

ENGINE MODEL
ENGINE S/N
REG NO 16YZ
WORK ORDER
2266-12-2021

East Coast Aviation Service, Inc.

Repair Station No 9ESR403B
2356 SE Liberator Lane
Ste 203
Stuart, FL 34996
Phone 772 781 0610

DATE 12/9/2021
A/C TSN 444 4
ENG TT 444 4
TSMOH
HOBBS 563

removal and
Directives,

Engine Entries

(1) Removed alternator #1 P/N 656802 S/N H-T110168 and replaced with P/N 656802 S/N H-U081612

The aircraft and/or component(s) on 16YZ was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No 2266-12-2021

DATE: 12/9/2021

SIGNED:

Work Order: 2266-12-2021

Richard John Epler
Certified Repair Station No 9ESR403B

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ENGINE MODEL TSIO-550K-2B
ENGINE S/N 1038561
REG NO N16YZ
WORK ORDER 7000



Nassau Flyers

1300 New Hwy
Farmingdale, NY 11735
Phone 631-454-0626

DATE 1/3/2022
A/C TSN 455 2
ENG TT 455 2
TACH 455 2

Engine Entries

- Performed a 100 hour inspection of engine per Cirrus AMM and Cirrus inspection checklists, Chaps 05-20 and 05-30.
- Ran engine to normal operating temperature and checked systems for normal operation, no defects noted.
- Performed cylinder differential compression checks and borescope inspections IAW Continental Manual. No discrepancies noted. Compression results as follows: 1)72/80. 2)74/80. 3)69/80. 4)67/80. 5)71/80. 6)73/80.
- Master onfic reading 45/80
- Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 8 quarts Phillips 20W50 X/C oil.
- Removed/cleaned/inspected/reinstalled magnetic drain plug
- Removed oil filter and inspected for metal contamination, no metal noted.
- Installed/torqued/softied new oil filter(CH48-108).
- Removed/cleaned/gapped/tested and replaced all worn spark plugs with new spark plugs and gaskets (P/N: URHB32E), no defects noted.
- C/W ICA Tanis Engine Heater, heating system inop, see item 16 for corrective action.
- Checked magneto to engine timing, adjusted as necessary.
- C/W LH magneto 500 hour inspection by removing and replaced with new (P/N off: IO-500556-101, S/N off: D19EA214; P/N on: BL-500556-101, S/N on: D20EA075R).
- Checked magneto to engine timing, adjusted as necessary.
- C/W Alt 2 500 hr inspection by replacing worn brushes (P/N: 40278). Performed ops check of same. No defects noted.
- Removed dirty induction air filter and replaced with new (P/N: 27166-001).
- Removed shorted and burnt Tanis engine pre-heater plug and replaced with new (P/N: TP02533-T-115). Troubleshoot the source of the shorting and found harness between Tanis plug and crossover connector shorted, replaced same (P/N: TL03013-3053).
- Performed a functional check of heating system, ops satisfactory.
- Washed down engine and lubricated controls.
- Performed post inspection run up and leak check, no defects noted.

Maintenance Release

This aircraft, engine, propeller or component(s) on N16YZ were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

DATE: 1/3/2022

SIGNED:

Work Order: 7000

Mohammed Farhanuddin, A&P. 4183289

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ENGINE MODEL TSIO-550K-2B
ENGINE S/N 1038561
REG NO N16YZ
WORK ORDER 7033



Nassau Flyers

1300 New Hwy
Farmingdale, NY 11735
Phone 631-454-0626

DATE 2/25/2022
A/C TSN 489 3
ENG TT 489 3
TACH 489 3

Engine Entries

- Ran engine to normal operating temperature and checked systems for proper operation, no defects noted.
- Drained engine oil and collected oil sample for AvLab oil analysis. Serviced with (8) quarts of (Phillips 20W50 X/C). Replaced oil filter with new (CH48-108).
- Washed down engine and lubricated controls.
- Performed post inspection run up and leak check, no defects noted.
- All work accomplished IAW Cirrus AMM 12-10 and Continental AMM.

Maintenance Release

This aircraft, engine, propeller or component(s) on N16YZ were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

DATE: 2/25/2022

SIGNED:

Work Order: 7033

Mohammed Farhanuddin, A&P 4183289

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ENGINE MODEL TSIO-550K-2B
ENGINE S/N 1038561
REG NO N16YZ
WORK ORDER 7065



Nassau Flyers
1300 New Hwy
Farmingdale, NY 11735
Phone 631-454-0626

DATE 4/1/2022
A/C TSN 513
ENG TT 513
TACH 513

Engine Entries

- Performed a 100 hour inspection of engine per Cirrus AMM and Cirrus inspection checklists, Chaps 05-20 and 05-30.
- *Ran engine to normal operating temperature and checked systems for normal operation, no defects noted.
- *Performed cylinder differential compression checks and borescope inspections IAW Continental M-(O) Manual. No discrepancies noted. Compression results as follows: 1)72/80. 2)76/80. 3)74/80. 4)72/80. 5)72/80. 6)74/80.
- *Master orifice reading 44/80
- *Drained engine oil and collected oil sample for AvLab oil analysis. Serviced engine with 8 quarts Phillips 20W50 X/C oil.
- *Removed/cleaned/inspected/reinstalled magnetic drain plug
- *Removed oil filter and inspected for metal contamination, no metal noted.
- *Installed/torqued/saftied new oil filter(CH48-108).
- *Removed/cleaned/gapped/tested reinstalled all spark plugs with new gaskets, no defects noted.
- *C/W ICA Tanis Engine Heater, no defects noted.
- *Checked magneto to engine timing, adjusted as necessary.
- Removed fuel injector nozzles, cleaned, inspected, tested, and reinstalled. No defects noted.
- Adjusted engine idle and mixture to correct specs per CMM.
- Washed down engine and lubricated controls.
- *Performed post inspection run up and leak check, no defects noted.

Maintenance Release

This aircraft, engine, propeller or component(s) on N16YZ were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 4/1/2022

SIGNED:

Work Order: 7065

Danon McFadden, A&P 4138120

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ENGINE MODEL TSIO-550K-2B
ENGINE S/N 1038561
REG NO N16YZ
WORK ORDER 7100



Nassau Flyers
1300 New Hwy
Farmingdale, NY 11735
Phone 631-454-0626

DATE 5/17/2022
A/C TSN 544 1
ENG TT 544 1
TACH 544 1

Engine Entries

- Ran engine to normal operating temperature and checked systems for proper operation, no defects noted.
- *Serviced with (8) quarts of (Phillips 20W50 X/C). Replaced oil filter with new (AA48108-2).
- Removed loose AC compressor, found upper attach bolt worn. Re-installed AC compressor using new hardware. Performed operational check of same, no defects noted.
- Removed, cleaned, gapped, tested, and re-installed all spark plugs. No defects noted.
- Washed down engine and lubricated controls.
- *Performed post inspection run up and leak check, no defects noted.
- *All work accomplished IAW Cirrus AMM 12-10 and Continental AMM.

Maintenance Release

This aircraft, engine, propeller or component(s) on N16YZ were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 5/17/2022

SIGNED:

Work Order: 7100

Danon McFadden, A&P 4138120

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ENGINE MODEL TSIO-550K-2B
ENGINE S/N 1038561
REG NO N16YZ
WORK ORDER 7152



Nassau Flyers
1300 New Hwy
Farmingdale, NY 11735
Phone 631-454-0626

DATE 7/7/2022
A/C TSN 569 7
ENG TT 569 7
TACH 569 7

Engine Entries

- Performed engine operational and function check IAW Cirrus AMM 5-30.
- *Performed engine 50 hr inspection IAW Cirrus AMM 5-20 and Continental AMM.
- *Drained engine oil and collected oil sample for AvLab oil analysis. Serviced with 8 quarts of Phillips 20W50 X/C. Replaced oil filter with new (AA48-108-2). Performed particulate inspection on filter, no discrepancies noted.
- Removed air conditioning compressor and drive assembly (P/N: 21119-008, S/N off: 2527, S/N on: 3510), and replaced with new. Performed operational check of same, no defects noted.
- Washed down engine and lubricated controls.
- *Performed post inspection run up and leak check with no discrepancies noted.
- *All work accomplished IAW Cirrus AMM 12-10 and Continental AMM.

Maintenance Release

This aircraft, engine, propeller or component(s) on N16YZ were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times

DATE: 7/7/2022

SIGNED:

Work Order: 7152

Danon McFadden, A&P 4138120

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