

Date		Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Hrs.	Min.	Hrs.	Min.	Hrs.	Min.	

MAKE: Cirrus
 MODEL: SR-22TN
 SN: 2525
 REG. NO: N550PK
 WORK ORDER: 10134-06-2024

US Flight Aircraft Maintenance

CIRRUS AUTHORIZED SERVICE CENTER
 1 WALLINGFORD RD
 HANGAR 5 & 6
 DANBURY, CT 06810 USA
 Phone: 814-227-6440

DATE: 20 June, 2024
 A/C TSN: 1902.5
 FLIGHTTIME: 1844.3

Airframe Entries

- FUEL FLOW FLUCTUATING DURING CRUISE FLIGHT...** Removed faulty fuel flow transducer. Installed a new fuel flow transducer P/N 15415-004, S/N 238293. Baffle connector bypassed and wiring secured with solder and shrink tubing. Operationally tested and no leaks noted.
- NOSE LANDING GEAR PUCKS WORN...** Removed cotter pin and nut, disassembled and remove worn puck stack. Installed 6 new shock discs P/N AEC-169-380098-1. Installed a new rebound bumper P/N 18380-001. All work performed IAW SR22 MM chapter 32.

Technicians Who Worked On The Items Listed Above:
 Maximilian Fitzgerald SCOTT SPLETZER

The work performed has been accomplished with reference to current, applicable and approved FAA data, has been inspected, tested, found to be in airworthy condition and has been approved for return to service.

DATE: 20 June, 2024

SIGNED:



SCOTT SPLETZER, A&P: 3402681

Work Order: 10134-06-2024

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wo: WO_138

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U.S. FLIGHT AIRCRAFT MAINTENANCE LLC. • 1 WALLINGFORD RD HANGAR 5 & 6 • DANBURY, CT 06810 - 9142276440

N550PK

ENGINE TT: 1856.6
PROP SMOH: 68.1

FLIGHT: 1856.6

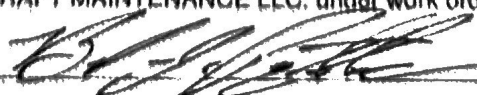
HOBBS: 1918.9

April 21, 2025
 PROP TT: 1856.6

- Engine Inspected using Cirrus SR-22 Aircraft 100hr/Annual maintenance manual inspection checklist, and TATI 22-6460004 continuous airworthiness Rev-C, dated 22 SEP 2011 scheduled maintenance checks 100hr section-B. Performed satisfactory pre-inspection run up IAW CDC SR-22 AMM 5-30. • Performed cylinder differential compression checks and Boroscope inspections IAW Continental M-0/M18 Manual. No discrepancies noted. Compression results as follows: 1) 68/80. 2) 64/80. 3) 54/80. 4) 70/80. 5) 68/80. 6) 72/80. Master orifice reading 46/80 • Drained engine oil, removed and cut open filter. No abnormal debris noted. Secured new oil filter and serviced engine with 8 Qts oil. Inspected the 1/2 inch cylinder flange nuts for corrosion and treated with LPS-3 IAW CMI Manual M-0, 6-4.11.1 • Cleaned rotated and secured spark plugs. • AD's & MSB's ck thru Bi-Weekly 2025-07 • Performed satisfactory ground functional checks. I certify this ENGINE has been inspected in accordance with an ANNUAL inspection checklist CDC SR-22AMM 5-20, and IAW TCM FORM NO. X30634A ch5-8 and has been determined to be in airworthy condition. Installed (8 EA) P/N ENGINE OIL PHILLIPS 20W-50W/C QT CONTAINER - PHILLIPS 20W-50W X/C OIL QT CONTAINER 08-05301, Installed (1 EA) P/N KIT-OIL ANALYSIS BLACKSTONE - KIT OIL ANALYSIS BLACKSTONE W/SHIPPING LABEL, Installed (1 EA) P/N Avblend - AVBLEND OIL ADDITIVE, Installed (1 EA) P/N Oil Filters: AA48108-2 - TEMPEST OIL FILTER, Installed (12 EA) P/N SA630979-9 - O-RING FUEL INJECTOR CAT, Installed (6 EA) P/N X1473 - X1473 WASHER, Installed (6 EA) P/N SA640612 - WASHER, SUPERIOR, FUEL INJ.
- Removed the AirWolf air-oil separator. Cleaned and inspected AirWolf air oil separator IAW Report AFC-W360 Rev.C. Installed to firewall after assembly. Installed (1 EA) P/N W-2003 - GASKET, AIR OILSEPERATOR AIRWOLF.
- C/W AD 2003-09-09 by inspecting the turbocharger V Band couplings IAW Paragraph K (2)-(7) of the AD. Due again next Annual or 100 Hrs. Replacement is due at the first annual after 1888 hrs or before 1988 hrs IAW TATI ICA 22-6460004 rev. C.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with U.S. FLIGHT AIRCRAFT MAINTENANCE LLC. under work order: WO_138.

Bernard Paquette IA 44540037



ENGINE MODEL 10550N46
ENGINE S/N 689530
REG NO N550PK
WORK ORDER 09812-12-2022

US Flight Aircraft Maintenance

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

DATE: 17 February, 2023
A/C TSN 1832 2
ENG TT 1788 5
FLIGHTTIME 1788 5

Engine Entries

- 6 *FUEL INJECTOR NOZZLES SERVICE DUE EA 300 HRS OR ANNUALLY PER CIRRUS SR-22 AMM 5-20 CHECKLIST AND TCM SID 05-7 ICA. AND GAMI IP-2001-02 ... Cleaned fuel injectors using ultra sonic method
- Secured with new O rings & gaskets, Torqued.
- Performed leak check, found none.
- All work performed IAW CAT Manual M-0 and GAMI IP-2001-02
- 16 *PROP OVERHAUL OVERDUE AS PER HARTZELL PROPELLER OWNERS' MANUAL 115 AND SERVICE LETTER HC-SL-81-81Y DUE EACH 6 YEARS OR 2000 HRS WHICHEVER COMES FIRST. ... Removed propeller P/N PHC-J3YF-1RF, S/N FP4413B
- Installed propeller P/N PHC-J3YF-1RF, S/N FP4413B after overhaul by New England Propeller
- 18 *MAGNETO'S DUE FOR 500HR DISASSEMBLY AND INSPECTION AS PER TCM CONTINUED AIRWORTHINESS... Removed left magneto P/N 10-500558-101, S/N D07JA015 and right magneto P/N 10-500558-101, S/N D07DA102.
- Installed an overhauled left magneto P/N 10-500558-101, S/N K-12026 and right magneto P/N 10-500558-101, S/N K-120301, with new gaskets. See 8130-3 dated 8 Dec 2022 for details.
- Mag to engine timing set to 21.5 degrees BTDC IAW TATI ICA.
- 21 *TATI AIRWORTHINESS LIMITATION, ALL ENGINE FLEXIBLE TURBO SYSTEM LINES, 10 YEAR LIFE LIMIT HOSES INSTALLED 2/13... Removed all turbocharger system fluid carrying lines.
- Installed new replacement type D hoses IAW TATI Drawing ETI-G3-7
- 22 *COMPLY WITH ALL CURRENTLY APPLICABLE TATI MANDATORY AND RECOMMENDED SERVICE BULLETINS, ADVISORIES, LETTERS and ICA 22-6460004 rev. C... C/W TATI ICA 22-6460004 rev. C.
- C/W TATI recommended SI08-01Rev.A and Cirrus SA08-03 Crankcase breather tube inspection N/A Per Airwolf Separator Installed.
- C/W TATI SI 08-04, Recurring inspection of cabin heat augments/ tail pipe assy for induction leaks with no discrepancies noted.
- C/W TATI Mandatory Service Bulletin SB09-01 by inspecting turbo manifolds for cracks.
- C/W TATI Mandatory Service Bulletin SB10-01. Inspected alt air door hinge pin. No sign of hinge cracking, loose rivets or pin slippage.
- C/W TATI Mandatory Service Bulletin SB10-02. Inspected left found and right tail pipe support bracket found no cracks.
- C/W TATI recommended SB11-01 rev. A, by inspecting all exhaust slip joints.
- C/W TATI recommended SB12-02 by inspecting fuel pump O rings for leakage.
- C/W TATI recommended SB11-03 by inspecting all turbocharger supports for wear.
- C/W TATI recommended SB11-04 by cleaning both oil supply inlet screens.
- All items due again next annual or 1888 hrs TT.
- 23 *FUEL PUMP O RINGS REQUIRE REPLACEMENT EVERY 5 YEARS/400 HOURS IAW TATI SB 12-02... Removed tornado alley turbo fuel pump P/N ETI-SR22-2-11, S/N# 88 Rev/G for Compliance with TATI SB 12-02.
- Installed fuel pump P/N ETI-SR22-2-11, S/N 88 after repair. See 8130-3 dated 22 Jan 2023 for details.
- Adjusted low side pressures IAW CAT MO. Adjusted WOT full fuel flow IAW TATI ICA 22-6460004.
- 25 *CYLINDER #6 COMPRESSION 40/80. MINIMUM ALLOWABLE 44/80... Removed #6 cylinder S/N AC07BB067.
- Installed an overhauled cylinder assembly P/N CL73 1-232-OH, S/N 81958-02 with all new gaskets and seals.
- All work performed IAW CAT Standard Practices Maintenance Manual M-0 R1.
- 26 *LEFT & RIGHT TURBO SUPPORT RODS WORN
- *SUPPORT BRACKETS & BOLTS WORN OUT ... Installed 2 new turbocharger support rods and brackets P/N 22-6250005 with new springs P/N LCO85H03S.
- Installed new wastegate support brackets P/N 22-6250006 with new bolts P/N MS20005-25 and new springs P/N LCO85H03S.
- 27 *SLAVE WASTE GATE, KNUCKLE, SPRING & CABLE RETAINER PINS WORN/DUE FOR REPLACEMENT... Removed worn wastegate, knuckle and pins.
- Installed a new wastegate P/N 22-6150026 2 new gaskets P/N FG120830
- A new knuckle clevis P/N 22-560001 with new clevis pins and spring P/N LEM120D03S IAW TATI Drawing 22-6460008.
- 28 Ripped wastegates IAW TATI Report 22-6460007.
- *EIGHT SPARK PLUGS WORN OUT... Installed 12 new Tempest URHB32S spark plugs
- 30 AD 2023-02-12, SUPERIOR INTAKE VALVES, IS DUE... C/W AD 2023-02-12 by inspecting #6 cylinder intake valve and found a date code of 19438A.
- No other cylinders are affected
- 31 LEFT TURBOCHARGER IS NOT INDEXED CORRECTLY TO THE TURBINE HOUSING ... Indexed turbocharger body to the turbine housing to correctly orient the turbocharger drain.
- Indexed the compressor housing to correctly clear the induction tube from the turbo support rod.

Technicians Who Worked On The Items Listed Above:
Bernard Paquette, SCOTT SPLETZER

The work performed has been approved for return to service.

DATE: 17 February, 2023

SIGNED:

Bernard Paquette, A&P: 445400371A

Work Order: 09812-12-2022

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RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

20
DATE

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U.S.FLIGHT AIRCRAFT MAINTENANCE LLC. · 1 WALLINGFORD RD HANGAR 5 & 6 · DANBURY, CT 06810 · 9142276440

- TKS Drop-In Cartridge, De-Ice System, Installed (2 EA) P/N 15164-092B - O-RING TKS5/16" Ice Protection.
7. Installed new line cutters P/N 26707-001, S/N's 26612 & 26648, Mfg 1/25 using kit P/N 25347-002 I/A/W Cirrus MM 95-01 and SB 2X-95-12. Due again 31 JAN 2031. Installed (1 EA) P/N 25347-002 - CAPS LINE CUTTER KIT Cutter Kit, W/Braided Cord & Stitching Thread, 8-second S/N: 26612 & 26648.
 8. Removed corroded screws from Pitot mast and discard. In stall 4 new screws with new lock washers. Installed (4) P/N MS35338-42 - MS35338-42 WASHER, Installed (4 EA) P/N MS35206-226 - SCREW, Pitot Tube.
 9. Disassembled front nose fork and found corrosion on bearing and spindle. Replaced thrust washer P/N 50545-001, cleaned nose fork & spindle of corrosion and set castering tension I/A/W SR22 MM 32-20, F. Installed (1 EA) P/N AN970-8 - AN970-8 WASHER, Installed (1 EA) P/N 50545-001 - THRUST WASHER, SUPERCEDED PN# 50545-001, G22DU Rev/Lot: G22DU, Installed (1 EA) P/N MS17825-8 - CASTELLATED NUT SR-20/22 NOSE STRUT.

With respect to the work performed, this AIRFRAME is approved for return to service. Details of work performed are on file with U.S.FLIGHT AIRCRAFT MAINTENANCE LLC. under work order: WO_138.

Bernard Paquette IA 44540037

YEAR
20
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

wo: WO_138

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U.S.FLIGHT AIRCRAFT MAINTENANCE LLC. · 1 WALLINGFORD RD HANGAR 5 & 6 · DANBURY, CT 06810 ·
9142276440

N550PK

ENGINE TT: 1856.6
PROP SMOH: 68.1

FLIGHT: 1856.6

HOBBS: 1918.9

April 21, 2025
PROP TT: 1856.6

1. Complied with 100 Hour service interval inspection as per Cirrus Aircraft SR-22 maintenance manual inspection checklist 5-20. • Researched aircraft records for applicable Airworthiness Directives through current bi-weekly 2025-07. • Researched aircraft records for applicable Cirrus Mandatory Service Bulletins that are due. Serviced gascolator IAW Cirrus AMM 28-20. Serviced brake fluid reservoir IAW Cirrus AMM 12-10. Lubricated aircraft IAW Cirrus AMM 12-20 lubrication schedule. I certify this AIRFRAME has been inspected in accordance with an ANNUAL service interval inspection and has been determined to be in airworthy condition.
2. ELT checked I/A/W FAR 91.207(d) and SR22 MM 25-60, 2, A. Next due: 12 months. Battery expiration 6/2030.
3. Fire extinguisher removed, inspected and weight checked at 528 grams. Inspected airworthy for continued service.
4. C/W Precise Flight ICA 102NMAN0003 Annual Inspection items. The Display Logic Assembly does not have a test port and will be required to be flight checked I/A/W 2.4.7 .1 of the ICA to complete the Annual requirement.
5. C/W Cirrus MSB 2X-32-19 R3 Inspected nose gear strut upper gusset plate and fillet welds with no discrepancies noted.
6. Removed old TKS filter and Discard. Installed new TKS Filter and O'rings. Performed operational test and bleed system I/A/W SR22 AMM 30-06. Installed (1 EA) P/N 908-1 - FILTER ELEMENT