

N 807BD

ENGINE LOG BOOK



Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul		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	

9/16/11 2 .9

Engine Log Book Entry
 Date: 9/20/11 Engine Time: 2.9
 Installed the ENGINE PREHEATER preheater S/N 45118
 in accordance with Tanis Aircraft Products instructions N/A
 Rev. N/A and COE System drawing number 25029-002
 Rev. _____
 Installer Name: Jeffrey Walter Cert. #: PC338CE

ENGINE MODEL: TSIO-550-K (1)
 ENGINE S/N: 1004795
 REG. NO: N807BD
 WORK ORDER: 113516

Clear Star Aviation
 Repair Station No. 5CSR009B
 4765 Frank Luke Dr
 Addison, Texas 75001
 Phone: 972-267-2376

DATE: 11/11/2011
 A/C TSN: 26
 ENG TT: 26
 FLIGHTTIME: 26

Engine Entries
 Performed TCM initial 25 hour inspection. The oil and filter was changed and serviced with 8 quarts of Philips 20W-50XC and a new CH48108-1 filter. An oil sample was collected for analysis by Blackstone Laboratories.

DATE: 11/11/2011 SIGNED: Adam Menge Work Order: 113516
 Menge, Adam
 Certified Repair Station No. 5CSR009B Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: TSIO-550-K (1)
 ENGINE S/N: 1004795
 REG. NO: N807BD
 WORK ORDER: 113549

Clear Star Aviation
 Repair Station No. 5CSR009B
 4765 Frank Luke Dr
 Addison, Texas 75001
 Phone: 972-267-2376

DATE: 12/1/2011
 A/C TSN: 50
 ENG TT: 50
 FLIGHTTIME: 50

Engine Entries
 Complied with AD 2011-25-51 by installation of new starter drive adapter P/N 642085A19.

Pertinent details of repair are on file at this Certified Repair Station 5CSR009B

DATE: 12/1/2011 SIGNED: Isaiah Daw Work Order: 113549
 Daw, Isaiah
 Certified Repair Station No. 5CSR009B Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: TSIO550K1B
 ENGINE S/N: 1004795
 REG. NO: 807BD
 WORK ORDER: 0272

ASAP Aviation, llc.
 15841 Addison Road
 Addison, TX 75001
 Phone: 972-977-1402

DATE: 2/29/2012
 A/C TSN: 109.4
 ENG TT: 82
 FLIGHTTIME: 85.7

Engine Entries
 Drained oil. Removed oil filter and opened, no metal noted. Installed new filter, P/N CH48108-1. Serviced engine with 8 quarts Phillips 20W50. Ran engine, no leaks noted.

DATE: 2/29/2012 SIGNED: Mike Sammons Work Order: 0272
 Mike Sammons, A&P 2678401 Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: ASAP Aviation, llc.
TSIO550K1B
ENGINE S/N: 1004795 4511 Eddie Rickenbacker
REG. NO. 807BD Addison, TX 75001
WORK ORDER: 0314 Phone: 972-977-1402

DATE: 5/1/2012
A/C TSN: 108.9
ENG TT: 108.9
HOBSBS: 139.9

Record

Engine Entries

D: Replaced LH and RH turbos with new 646677 turbos. S/Ns off: H-OCL00155 and H-OCL00154. S/Ns on: H-OLL00040 and H-OLL00075... Borescoped cylinders, cleaned intercoolers and induction system. No damage noted.... Removed fine wire spark plugs and installed new RHB-32E massive electrode spark plugs per SB 2X-74-01... Removed oil filter and inspected element, no metal noted. No discrepancies noted. Installed new CH48108-1 filter. Leak check good.

oval and directives,

Carried

DATE: 5/1/2012

SIGNED: *Mike Sammons*

Work Order: 0314

Mike Sammons, A&P: 2678401

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: ASAP Aviation, llc.
TSIO550K1B
ENGINE S/N: 1004795 4511 Eddie Rickenbacker
REG. NO. 807BD Addison, TX 75001
WORK ORDER: 0336 Phone: 972-977-1402

DATE: 5/16/2012
A/C TSN: 112.8
ENG TT: 112.8
HOBSBS: 146.2

Engine Entries

Accomplished Functional Test-Fuel Pump Setup referencing the SR-22T AMM, chapter 73-20.

DATE: 5/16/2012

SIGNED: *Mike Sammons*

Work Order: 0336

Mike Sammons, A&P: 2678401

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: ASAP Aviation, llc.
TSIO550K1B
ENGINE S/N: 1004795 4511 Eddie Rickenbacker
REG. NO. 807BD Addison, TX 75001
WORK ORDER: 0356 Phone: 972-977-1402

DATE: 6/15/2012
A/C TSN: 143.4
ENG TT: 143.4
HOBSBS: 181.6

Engine Entries

Oil change/SR-22/20W50. Drained oil. Collected oil sample and forwarded to Blackstone Labs for analysis. Removed oil filter and opened, no metal noted. Installed new filter, P/N CH48108-1. Serviced engine with 8 quarts Phillips 20W50. Ran engine, no leaks noted.

DATE: 6/15/2012

SIGNED: *Mike Sammons*

Work Order: 0356

Mike Sammons, A&P: 2678401

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: Clear Star Aviation
TSIO-550-K (1)
ENGINE S/N: 1004795 Repair Station No. 5CSR009B
REG. NO. 807BD 4765 Frank Luke Dr
WORK ORDER: 113826 Addison, Texas 75001
Phone: 972-267-2378

DATE: 6/21/2012
A/C TSN: 146.4
ENG TT: 146.4
FLIGHTTIME: 146.4

Engine Entries

Adjusted the fuel flow and manifold pressure.

Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 6/21/2012

SIGNED: *Isiah Daw*
Daw, Isiah
Certified Repair Station No. 5CSR009B

Work Order: 113826

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: ASAP Aviation, llc.
TSIO550K1B
ENGINE S/N: 1004795 4511 Eddie Rickenbacker
REG. NO. 807BD Addison, TX 75001
WORK ORDER: 0410 Phone: 972-977-1402

DATE: 10/25/2012
A/C TSN: 176.8
ENG TT: 176.8
HOBSBS: 225.9

Engine Entries

Complied with SB 2X-79-01 by installing kit P/N 70263-001.

DATE: 10/25/2012

SIGNED: *Mike Sammons*

2678401 A/P Work Order: 0410

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: ASAP Aviation, Inc.
TSIO550K1B
ENGINE S/N: 1004795 4511 Eddie Rickenbacker
REG. NO: 807BD Addison, TX 75001
WORK ORDER: 0398 Phone: 972-977-1402

DATE: 10/17/2012
A/C TSN: 172.4
ENG TT: 172.4
HOBBS: 219.8

Engine Entries

Complied with a 100 hour/Annual inspection referencing the Cirrus Design SR-22 AMM, chapter 5-20 checklist. Compressions as follows: 1) 73/80, 2) 69/80, 3) 72/80, 4) 73/80, 5) 70/80, 6) 70/80. Master orifice 45/80. Drained oil. Opened oil filter, no metal noted. Serviced engine with 8 quarts Phillips 20W50. Ran engine, no leaks noted.... Found AD 2012-01-11 (airbox seals) N/A by S/N per AD 2012-01-11 text... Installed chafe protection on #2 injector line... Re-torqued on rocker cover screws. Leak checks good.... Repositioned and secured #2, #4, and #6 fuel injector lines.... Removed oil cooler, P/N 654585 S/N B11-9345-76 and reinstalled after repairs by Pacific Oil Cooler on W.O. 91083. Ground run revealed no leaks.... At engine, RH side, removed #1, #3 and #5 exhaust risers. Slid the #1 riser from slip joint. Cleaned, inspected, and reinstalled the #1 riser into slip joint. Reinstalled the RH stack assembly, re-positioning risers as required. Leak check revealed no further leak.

I certify that this engine was inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

DATE: 10/17/2012

SIGNED: Walter Serrano 2678401 AJP Work Order: 0398

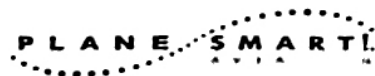
Printed by EBis 3 (datamedia.com)

Carrie

rd
and
ves,

N807BD Engine Oil Change/Analysis

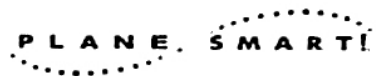
TCM TSIO550K1B S/N 1004795 TTIS: 265.7



Complied with 50 hour oil change/analysis. Ran engine. Installed new oil filter, P/N CH48108-1. Drained engine oil and replenished with 8 quarts Phillips 20W50. Took oil sample. Opened oil filter, no metal found. Ground ran engine, no leaks noted. I certify that the 50 hour oil change/analysis has been accomplished and the engine is airworthy in respect to the work performed.

Cliff Della Cert.# 3360520 Date: 05-30-13

REG No: 807BD
Engine Model: TSIO550K1B
Engine S/N: 1004795
Engine TT: 296.8 A/C TSN: 296.8 HOBBS: 372.6



PlaneSmart Aviation
15841 Addison Road
Addison, TX 75001

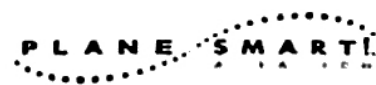
Engine Entries:

Complied with Annual inspection IAW the Cirrus Design SR-22 AMM, chapter 5-20 & 5-30 checklist. Compressions as follows: 1) 73/80 2) 74/80 3) 72/80 4) 73/80 5) 71/80 6) 74/80. Master Orifice: 44/80. Removed, cleaned, inspected, and reinstalled all sparkplugs. Installed new induction air filters P/N 27166-001. Installed new #2 fuel injector P/N 657065-2531. Removed, cleaned, inspected, and reinstalled all fuel injectors and new gaskets and o-rings P/N 640612, P/N X1473, and P/N 630979-9. Drained oil, collected oil sample and sent to Blackstone Labs for analysis. Removed oil filter and opened, no metal found. Installed new oil filter, P/N CH48108-1 and serviced with 8 quarts of Phillips 66 XJC 20W-50. Replaced all rocker cover gaskets P/N 655705. Tightened loose exhaust shields as necessary. Checked fuel flow IAW SID 97-3E, adjusted manifold pressure and fuel flow as necessary. Performed engine run up, no leaks found.

Researched AD's through bi-weekly issue of this date, all AD's are in compliance at this time. I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service.

Kelly Self Cert.# A&P 2A 2857562 Date: 11-11-2013

REG No: 807BD
Aircraft Model: SR22T
Aircraft S/N: 0194
Engine Model: TSIO550K1B
Engine S/N: 1004795
Aircraft TT: 347.1 HOBBS: 434.6



PlaneSmart Aviation
15841 Addison Road
Addison, TX 75001

50hr Oil Change:

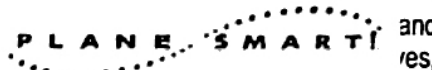
Complied with 50 hour oil change/analysis. Ran engine. Drained engine oil and took oil sample for Blackstone Laboratories for analysis. Removed and opened oil filter, no metal found. Installed new oil filter, P/N AA48108-2. Serviced with 8 quarts of Phillips 66 Victory 100AW oil. Ground ran engine, ops check good, no leaks noted.

Cliff Della Cert.# 3360520 A&P Date: 07-19-2014

Engine Service and Maintenance Record

Total Time

Time Since Last Overhaul



REG No: 807BD
 Engine Model: TSIO550K1B
 Engine S/N: 1004795
 Engine TT: 370.1

A/C TSN: 370.1

HOBBS: 461.7

PlaneSmart Aviation
 15841 Addison Road
 Addison, TX 75001

Engine Entries:

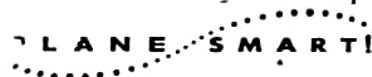
Complied with Annual inspection IAW the Cirrus Design SR-22T AMM, chapter 5-20 & 5-30 checklist and current TCM Maintenance Manuals. Compressions as follows: 1)63/80 2)66/80 3)71/80 4)60/80 5)65/80 6)66/80. Master Orifice: 46/80. Timed mags to 24 degrees. Installed new propeller governor P/N S-1-44F S/N G2283NJ with new gasket P/N 21285-101. Installed new #2 alternator bracket P/N 646405 complying with SIL14-4A. Removed, cleaned, inspected, and reinstalled all fuel injectors with new gaskets and o-rings P/N 640612, P/N X1473, and P/N 630979-9. Drained oil, collected oil sample and sent to Blackstone Labs for analysis. Removed oil filter and opened, no metal found. Installed new oil filter, P/N AA48108-2 and serviced with 8 quarts of Phillips 66 100AW. Tightened loose exhaust sheilds as necessary. Checked fuel flow IAW SID 97-3E, adjusted all engine parameters as necessary. Performed engine run up, no leaks found.

Researched AD's through bi-weekly issue of this date, all AD's are in compliance at this time. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service.

Joe Borden
 Joe Borden

Cert #: IA349421

Date: 11-19-2014



REG No: N807BD
 Aircraft Model: SR22T
 Aircraft S/N: 0194
 Aircraft TT: 415.0

Planesmart Aviation
 15841 Addison Road
 Addison, TX 75001

Engine Model: TSIO550K1B
 Engine S/N: 1004795

Engine Entry: (1) Drained engine oil. Removed oil filter and cut open to check for contaminants. No contaminants found. Installed new oil filter, P/N CH48110-1, torqued and safe tied. Serviced engine with 8 qts. of Phillips XC 20W50. Ground ran engine and checked for leaks. No leaks found.... (2) Replaced #1,#3,& #5 spark plugs, P/N RHB32E.

Luke Davidson
 Luke Davidson

Cert# A&P: 3593340

Date: 10/09/2015

ENGINE MODEL: TSIO550K1B
 ENGINE S/N: 1004795
 REG. NO: N807BD
 WORK ORDER: 0283-11-2015

Plane Smart I Aviation
 15841 Addison Road
 Addison, TX 75001
 Phone: 972-239-8700

DATE: 11/24/2015
 A/C TSN: 417
 ENG TT: 417
 TSMOH:
 TACH: 417

Engine Entries

Complied with 100Hr. inspection per. Cirrus Design Airplane Maintenance Manual, Models SR22 and SR22T, Chapter 5-20 Inspection Guide. Compressions: #1 63/80, 3 62/80, 5 65/80, 2 65/80, 4 66/80, 6 64/80. Master Orifice 47.

Installed flange stiffeners on RH outboard side of Intercooler, P/N 31706-001, to comply with SB 2X-71-25.

Removed, cleaned fuel injectors, & reinstalled.

Removed, cleaned, tested, & reinstalled spark plugs. Replaced 3T, 5T, & 6B, P/N RHB32E.

Removed cracked LH intercooler, P/N 646461, S/N A11-9421-26. Installed new LH Intercooler, P/N 646462, S/N 615-12327-366.

Performed engine run, functional check good.

No new AD's to date. See AD list for compliance.

I certified that this engine has been inspected in accordance with a 100Hr. inspection and was determined to be in airworthy condition and is approved for return to service.

DATE: 11/24/2015

SIGNED *David Martinez* 1A 4673 51511

Work Order: 0283-11-2015

Printed by EBis 3 (datcomedia.com)

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: **Plane Smart ! Aviation**
 TSIO550K1B
 ENGINE S/N: 1004795
 REG. NO: N807BD
 WORK ORDER: 0526-08-2016

15841 Addison Road
 Addison, TX 75001
 Phone: 972-239-8700

DATE: 8/29/2016
 A/C TSN: 460.3
 ENG TT: 460.3
 TSMOH: 460.3
 FLIGHTTIME: 460.3

Engine Entries

· Drained engine oil. Removed oil filter and cut open to check for contaminants. No contaminants found. Installed new oil filter, P/N CH48108-1, torqued and safetied. Serviced engine with 8 qts. of AW100. Ground ran engine and checked for leaks. No leaks found.

The aircraft and/or component(s) on N807BD was repaired and/or inspected in accordance with current Federal Aviation Administration Regulations and is hereby approved for return to service with respect to work performed.

DATE: 8/29/2016

SIGNED:

Luke H Davidson, A&P: 3593340

Work Order: 0526-08-2016

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: **Clear Star Aviation**
 TSIO-550-K (1)
 ENGINE S/N: 1004795
 REG. NO: N807BD
 WORK ORDER: 200376



Clear Star Aviation
 Repair Station No. 5CSR0098
 4765 Frank Luke Dr
 Addison, TX 75001
 Phone: 972-267-2376

DATE: 12/21/2016
 A/C TSN: 476.6
 ENG TT: 476.6
 FLIGHTTIME: 476.6

Engine Entries

Performed engine 100 HR inspection in accordance with current Cirrus Design Aircraft Maintenance Manual 5-20 and 5-30. The cylinder compression was checked with the following results: #1, 42/80 #2, 60/80 #3, 50/80 #4, 66/80 #5, 70/80 #6, 60/80 psi. Master orifice 42/80. The oil and filter was changed and serviced with 8 quarts of AeroShell W100+ and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories. Inspected the turbo system in accordance with the instructions for continued airworthiness. Installed new alternate air door P/N 28895-003. Cleaned ignition leads. Timed magnetos to 24°. Replaced LH forward SCEET hose from airbox to alternate air door and adjusted away from cowling to prevent chafing. Replace SCEET hose from RH intercooler to exchanger. Installed new adel clamp on the L/H engine weldment holding turbo oil line. Cleaned turbo check valve and inspected turbo with no leaks found. Installed new starter P/N 657596 S/N 4C3-341638. Adjusted idle to within limits. Replaced all rocker cover gaskets. Installed new gasket and o-rings on oil dipstick housing. Cleaned oil pressure sensor connector and re-installed with Stabilant 22. Adjusted full power RPM to within limits.

Researched AD's through bi-weekly issue of this date, all AD's are in compliance at this time. I certify that this engine has been inspected in accordance with a 100HR inspection and was determined to be in airworthy condition. I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR0098.

DATE: 12/21/2016

SIGNED:

Longekar, Doug
 Certified Repair Station No. 5CSR0098

Work Order: 200376

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: **Plane Smart ! Aviation**
 TSIO550K1B
 ENGINE S/N: 1004795
 REG. NO: N807BD
 WORK ORDER: 0677-04-2017

15841 Addison Road
 Addison, TX 75001
 Phone: 972-239-8700

DATE: 4/28/2017
 A/C TSN: 509.7
 ENG TT: 509.7
 TSMOH: 509.7
 FLIGHTTIME: 509.7

Engine Entries

· Drained engine oil, sent sample to Blackstone labs. Removed oil filter and cut open to check for contaminants. No contaminants found. Installed new oil filter, P/N CH48108-1, torqued and safetied. Serviced engine with 8 qts. of Aeroshell W100. Ground ran engine and checked for leaks. No leaks found.




DATE: 4/28/2017

SIGNED:

Gary Cunningham, A&P

Work Order: 0677-04-2017

Printed by EBis 3 (datcomedia.com)

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: TSIO550K1B		Plane Smart Aviation		DATE: 6/14/2017	
ENGINE S/N: 1004795		15841 Addison Road		A/C TSN: 527.2	
REG. NO: N807BD		Addison, TX 75001		ENG TT: 527.2	
WORK ORDER: 0703-05-2017		Phone: 972-239-8700		TSMOH: 527.2	
				FLIGHTTIME: 527.2	
Engine Entries					
<ul style="list-style-type: none"> Removed LH magneto, P/N 10-500556-101, S/N D11FA214. Overhauled by Quality Aircraft Accessories on S.O. 032727. Installed LH magneto and timed to engine in accordance with TSIO550K Maint. and overhaul Manual, chapter 6 & 10. Engine run up and mag check ok. Removed RH magneto, P/N 10-500556-101, S/N D11FA211. Overhauled by Quality Aircraft Accessories, S.O. 032727. Installed RH magneto and timed to engine in accordance with TSIO550K Maint. and overhaul Manual, chapter 6 & 10. Engine run up and mag check ok. 					
DATE: 6/14/2017		SIGNED: 		Work Order: 0703-05-2017	
		Luke H Davidson, A&P: 3593340		Printed by EBis 3 (datcomedia.com)	
ENGINE MODEL: TSIO550K1B		Plane Smart Aviation		DATE: 7/14/2017	
ENGINE S/N: 1004795		15841 Addison Road		A/C TSN: 532.5	
REG. NO: N807BD		Addison, TX 75001		ENG TT: 532.5	
WORK ORDER: 0721-07-2017		Phone: 972-239-8700		TSMOH: 532.5	
				FLIGHTTIME: 532.5	
Engine Entries					
<ul style="list-style-type: none"> Checked mag to engine timing. Timing at 24 degrees BTDC. Removed bottom spark plugs, cleaned, inspected, gapped, and reinstalled. Ground ran engine and observed all engine parameters. All parameters within normal ranges at this time. 					
The work performed as described above has been inspected in accordance with current regulations of the Federal Aviation Administration and found to be in airworthy condition.					
DATE: 7/14/2017		SIGNED: 		Work Order: 0721-07-2017	
		Luke H Davidson, A&P: 3593340		Printed by EBis 3 (datcomedia.com)	
ENGINE MODEL: TSIO550K1B		Plane Smart Aviation		DATE: 8/21/2017	
ENGINE S/N: 1004795		15841 Addison Road		A/C TSN: 544.3	
REG. NO: N807BD		Addison, TX 75001		ENG TT: 544.3	
WORK ORDER: 0739-08-2017		Phone: 972-239-8700		TSMOH: 544.3	
				FLIGHTTIME: 544.3	
Engine Entries					
<ul style="list-style-type: none"> Drained engine oil, sent sample to Blackstone labs. Removed oil filter and cut open to check for contaminants. No contaminants found. Installed new oil filter, P/N CH48108-1, torqued and safetied. Serviced engine with 8 qts. of Aeroshell W100. Ground ran engine and checked for leaks. No leaks found. 					
The aircraft and/or component(s) on N807BD was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service					
DATE: 8/21/2017		SIGNED: 		Work Order: 0739-08-2017	
		Eric Keller, A&P: 3428700		Printed by EBis 3 (datcomedia.com)	

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: **Plane Smart I Aviation**
 TSIO550K1B
 ENGINE S/N: 1004795
 REG. NO: N807BD
 WORK ORDER: 0765-10-2017

15841 Addison Road
 Addison, TX 75001
 Phone: 972-239-8700

DATE: 10/11/2017
 A/C TSN: 584.5
 ENG TT: 584.5
 TSMOH: 584.5
 FLIGHTTIME: 584.5

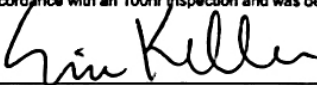
Engine Entries

- Drained engine oil, sent sample to Blackstone labs. Removed oil filter and cut open to check for contaminants. No contaminants found. Installed new oil filter, P/N CH48108-1, torqued and safetied. Serviced engine with 8 qts. of Aeroshell 15-50. Ground ran engine and checked for leaks. No leaks found.

I certify that this aircraft has been inspected in accordance with an 100hr inspection and was determined to be in an airworthy condition and is approved for return to service.

DATE: 10/11/2017

SIGNED:



Work Order: 0765-10-2017

Eric Keller, A&P: 3428700

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: TSIO-550-K (1)
 ENGINE S/N: 1004795
 REG. NO: N807BD
 WORK ORDER: 200968

Clear Star Aviation
 Repair Station No. 5CSR009B
 4765 Frank Luke Dr
 Addison, TX 75001
 Phone: 972-267-2376

DATE: 1/12/2018
 A/C TSN: 614.6
 ENG TT: 614.6
 FLIGHTTIME: 614.6

Engine Entries

Removed #1 cylinder P/N 658021A1 S/N AC11EA011 and #3 cylinder P/N 658021A1 S/N AC11EB838. Installed new #1 cylinder P/N 658595A1 S/N AC17JA885 with new lifters P/N 658077 and P/N 658088, new compression 77/80. Installed new #3 cylinder P/N 6587595A1 S/N AC17IA311, new compression 78/80. The oil and filter was changed and serviced with 8 quarts of AeroShell 100 mineral oil and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories.

This aircraft/component is determined to be in airworthy condition is ok for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 1/12/2018

SIGNED:



Work Order: 200968

Longaker, Doug
 Certified Repair Station No. 5CSR009B

Printed by EBis 3 (datcomedia.com)

Davidson Aviation


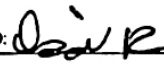
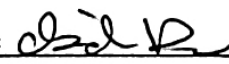

1125 US HWY 271 S
 Gilmer, Texas 75645
 (469)616-4141

Reg: N807BD
 Make: Cirrus
 Model: SR22T
 S/N 0194
 Date: 01/17/2018
 A/C TSN: 615.0
 Hobbs: 764.0
 Flight: 615.0

Performed 100Hr. Inspection in accordance with current Cirrus Design SR22T AMM, Chapt. 5-20 & 5-30 checklist.
 Compressions: 1) 77/80, 3) 78/80, 5) 65/80, 2) 68/80, 4) 65/80, 6) 62/80
 M.O. 47. Removed all spark plugs, cleaned, gapped, tested and reinstalled. Service gasolator using new seals, P/N MS29513-137 & P/N NAS1523-8B, leak check good. Timed magnetos to engine.
 Inspected exhaust and turbo system, no discrepancies noted.
 tightened exhaust heat shields.
 Researched ADs through Bi-Weekly Issue of 2018-01; all ADs are in compliance at this time. All work done in accordance with Cirrus SR22T Maint. Manual & CMI M-O.

I certify this Engine has been inspected in accordance with a 100 Hr. Inspection, was determined to be in Airworthy condition, and is approved for return to service.

Luke Davidson  A&P 3593340 IA

Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record	
ENGINE MODEL: Clear Star Aviation TSIO-550-K (1) ENGINE S/N: 1004795 REG. NO: N807BD WORK ORDER: 200996		DATE: 1/25/2018 A/C TSN: 615.1 ENG TT: 615.1 FLIGHTTIME: 615.1	
Repair Station No. 5CSR0098 4765 Frank Luke Dr Addison, TX 75001 Phone: 972-267-2376		al and actives,	
Engine Entries			
Removed, cleaned and installed all injectors using new seals and gaskets. Checked for induction leaks. Performed idle mixture setup as needed..Installed new P/N RHB32E spark plugs to bottom cylinder #1,2,3,4,5, and 6.			
This aircraft/component is determined to be in airworthy condition is ok for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR0098.			
DATE: 1/25/2018		SIGNED:  Longaker, Doug Certified Repair Station No 5CSR0098	
		Work Order: 200996 Printed by EBis 3 (datcomedia.com)	
ENGINE MODEL: Dedicated Aircraft Work TSIO-550-K (1) ENGINE S/N: 1004795 REG. NO: N807BD WORK ORDER: 0656		DATE: 10/5/2018 A/C TSN: 630.3 ENG TT: 630.3 FLIGHTTIME: 633.3	
698 CR 1143 Tyler, TX 75704 Phone: 972-834-2476			
Engine Entries			
Drained oil, removed filter, cut open and inspected. Installed new AA48108-2 filter and serviced with 8 quarts of AeroShell 100 mineral oil.... Performed engine 100HR/annual inspection in accordance with FAR 43 Appendix D using the Cirrus AMM 5-20 and 5-30 as a guide. Researched AD's through biweekly release 2018-19.... The engine compressions were checked with the following results: #1 76/80, #2 57/80, #3 76/80, #4 60/80, #5 42/80 and #6 48/80. Master orifice 43/80.... Installed new #1 alternator P/N ES10024 S/N H-S071474.... Adjusted the engine idle and idle mixture.... Replaced the LH turbo oil reservoir P/N 658272.... Adjusted the mag timing.... Replaced 2 intake tube clamps P/N AN737TW82.... Replaced 4 push rod tubes P/N 632485 and the #5 exhaust lifter P/N 653877.... Reinstalled cylinders #2, #4, #5 and #6 in their original positions after repair performed by Continental Motor Services on work order CS-8455 on 09/10/2018. Performed ground break in procedures.			
I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in airworthy condition.			
DATE: 10/5/2018		SIGNED:  Isaiah Daw, A&P: 2594100	
		Work Order: 0656 Printed by EBis 3 (datcomedia.com)	
ENGINE MODEL: Dedicated Aircraft Work TSIO-550-K (1) ENGINE S/N: 1004795 REG. NO: N807BD WORK ORDER: 0696		DATE: 12/13/2019 A/C TSN: 694.6 ENG TT: 694.6 FLIGHTTIME: 694.6	
698 CR 1143 Tyler, TX 75704 Phone: 972-834-2476			
Engine Entries			
Performed engine 100HR/annual inspection in accordance with FAR 43 Appendix D using the Cirrus AMM 5-20 and 5-30 as a guide. Researched AD's through biweekly release 2019-25.... The engine compressions were checked with the following results: #1 72/80, #2 72/80, #3 75/80, #4 74/80, #5 72/80, #6 74/80. Master orifice 44/80.... Drained oil and took oil sample for analysis by Blackstone Laboratories. Removed filter, cut open and inspected. Installed new AA48108-2 filter and serviced with 7 quarts of Phillips 20W50XC and Camguard.... Adjusted the engine idlo and idlo mixture.			
I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in airworthy condition.			
DATE: 12/13/2019		SIGNED:  Isaiah Daw, A&P: 2594100	
		Work Order: 0696 Printed by EBis 3 (datcomedia.com)	
ENGINE MODEL: Dedicated Aircraft Work TSIO-550-K (1) ENGINE S/N: 1004795 REG. NO: N807BD WORK ORDER: 0806		DATE: 2/5/2021 A/C TSN: 711 ENG TT: 711 FLIGHTTIME: 711	
698 CR 1143 Tyler, TX 75704 Phone: 972-834-2476			
Engine Entries			
Performed engine 100HR/annual inspection in accordance with FAR 43 Appendix D using the Cirrus AMM 5-20 and 5-30 as a guide. Researched AD's through biweekly release 2021-03.... The engine compressions were checked with the following results: #1 68/80, #2 68/80, #3 66/80, #4 72/80, #5 70/80, #6 72/80. Master orifice 44/80.... Drained oil and took oil sample for analysis by Blackstone Laboratories. Removed filter, cut open and inspected. Installed new AA48108-2 filter and serviced with 7 quarts of Phillips 20W50XC and Camguard... Complied with AD 2020-18-11, effective 09/21/2020 in accordance with MSB 18-08B.... Adjusted the engine idlo.			
I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in airworthy condition.			
DATE: 2/5/2021		SIGNED:  Isaiah Daw, A&P: 2594100	
		Work Order: 0806 Printed by EBis 3 (datcomedia.com)	



Teledyne Continental Motors, Inc.
www.GenuineContinental.aero

Engine Component Information Sheet

Printed : 08/04/2011

Serial: 1004795
Spec: TSI0550K1B
New/Rebuilt: NEW

Assembled: 07/26/2011
Shipped:
Packed: 08/04/2011

Customer Name:

Shipping Address:

Component	Serial Number	Component	Serial Number
CAMSHAFT	90895	L. TURBO	H-OCL00155 REBUILT
CRANKSHAFT	N11AA176	R. TURBO	H-OCL00154 H-0CL00075
CRANKCASE	R11FA338	OVERBOOST	N/A
CONNROD	AE11DA256	CONTROLLER	N/A
CONNROD	AE11DA214	✓WASTEGATE	H-ODN00082
CONNROD	AE11DA101	CYLINDER - 1	AC11FA011
CONNROD	AE11DA099	CYLINDER - 2	AC11EB820
CONNROD	AE11DA203	CYLINDER - 3	AC11EB838
CONNROD	AE11DA202	CYLINDER - 4	AC11EB844
✓L MAGNETO	D11FA214	CYLINDER - 5	AC11FA029
✓R MAGNETO	D11FA211	CYLINDER - 6	AC11EB819
CARBURETOR	N/A	CYL FLOW CODE	N/A
✓FUEL PUMP	B11EA200	NOZZLE - 1	1515
✓MANIFOLD VALVE	C11EA087	NOZZLE - 2	2531
✓METERING UNIT	A11EA193	NOZZLE - 3	3531
✓STARTER	4C3-191104	NOZZLE - 4	4531
✓ALTERNATOR	H-L051354	NOZZLE - 5	5520
ALTERNATOR 2	N/A	NOZZLE - 6	6526
DRIVE GEAR	N/A	✓OIL COOLER	B11-9345-76
DRIVEN GEAR	N/A	PISTON WEIGHT	N/A

*Hartell/TCM
P/N 646677*

*✓ 56RSC-25P
✓ L MAGNETO
10-500556-101
✓ R MAGNETO*

63

Back Inspection Stamp
All of the information provided herein is subject to verification by the user. Teledyne Continental Motors, Inc. makes no representation or warranty concerning the accuracy or completeness of the information and assumes no responsibility with respect thereto.