



ENGINE LOG BOOK

TRIAD AVIATION, INC.

TRIAD AVIATION, Inc. certifies that this engine has been disassembled, inspected, and overhauled to manufacturer's overhaul manual new limits. Engine tested in accordance with recommended procedures and is approved for return to service. All applicable A.D. Notes are complied with at the time of overhaul. Pertinent details of this work are on file at this repair station under work order # 21950

DATE 07/30/2015

MAKE Continental

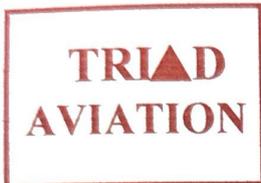
MODEL IO-360-ES

S/N 360644

ENGINE TOTAL TIME 1456.6

TSMOH _____

TBO 2000.0



Triad Aviation, Inc.
Burlington Municipal Airport
3439 South Aviation Drive
Burlington, NC 27215
336-227-1467

Olthman M. Pettee
Authorized Signature

07/14/2015

Date

Test ran Continental IO-360-ES engine serial number 360644 for 1 Hour 30 minutes, RPM 2600, oil pressure 51 lbs, oil temperature 186 degrees, CHT 355. Magneto check at 2100 RPM, L 100 RPM, R 100 RPM. Compression test cylinder #1 77/80 #2 72/80 #3 74/80 #4 75/80 #5 74/80 #6 77/80. This engine and/or component is approved for return to service. All pertinent details on file this repair station: TRIAD AVIATION, INC. FAA REPAIR STATION# PP4R448M. wo# 21950
Signed: *Olthman M. Pettee* Date: 07/29/2015

Dynamic Mechanic LLC. ■ Rockingham County / Shiloh Airport KSIF ■

Stoneville, NC
Make: CIRRUS DESIG Model: SR20 Reg. No.: N984PG
Order No.: 95 Tach Time: 1456.60 Completed: 08/14/15
S/N: 1959 Type: ContinentalIO360ES21 TTAF: 1456.60
Engine Log Total Time: 1456.6 S/N: L360644 SOH: 0

Engine and propeller governor removed and reinstalled after overhaul by Triad Aviation under work order 21950. Engine installed with new Barry mounts and hoses firewall forward. Installed 48102-2 oil filter and serviced with Phillips 20W50XC. Engine test run, fuel pressures and max rpm adjusted in accordance with Cirrus SR20 maintenance manual. I certify that this engine has been inspected in accordance with a annual inspection and was determined to be in airworthy condition.-end
Edward W. Pettee 3069938 A&PIA

1485.6 9/5/15

DRAINED OIL AND INSPECTED FILTER (NO ABNORMALITIES)
INSTALL NEW 48102B FILTER AND SERVICED WITH
20W50XC. NO LEAKS - END *Edward W. Pettee*
3069938 A&PIA

Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.
9/27/15	1508			DRAINED OIL AND INSPECTED FILTER (NO ABNORMALITIES) INSTALLED NEW AA 48108-1 FILTER AND SERVICED WITH NEW 50XC. NO LEAKS - END EDWARD W. Peffer 3069938 AEP

A/C Model : SR20
Aircraft Time : 1,625.70
A/C Hour Meter :
Landings :
Log Book : Airframe
A/C Reg # : N984PG
Work Order # : S15-54738
A/C Ser # : 1959
Date : 2/15/2016

LANDMARK AVIATION
1030 PTI Drive, Greensboro NC 27409
Tel 800-334-2001 Fax 336-668-4434
www.landmarkaviation.com

Routine Maintenance

12-00-00 Drained engine oil and serviced engine with 8 quarts of Phillips XC20W50 engine oil. Replaced oil filter new oil filter P/N CH48108-1. Ran engine for leak check, no defects noted. All work was done in accordance with Cirrus Airplane Maintenance Manual Model SR20 chapter 12-10.

The Items identified above and/or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at this repair station under Work Order Number: S15-54738

Signed:  for Landmark Aviation, Inc. CRS#: EWGR752D

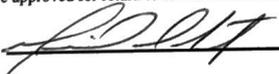
Engine Model : IO-360-ES
Engine Serial # : 360644
Engine TSN/TSO : 1,665.50/
Engine CSN/CSO :
Engine Position : Front
Log Book : Engine
A/C Reg # : N984PG
Work Order # : S15-55455
A/C Ser # : 1959
A/C Time : 1,665.50
Date : 5/24/2016

TECHNICAIR
Aircraft Maintenance
A BBA Aviation company
1030 PTI Drive
Greensboro, NC 27409
P: 800-334-2001 | F: 336-668-4434

Routine Maintenance

79-00-00 Drained engine oil system. Removed and inspected oil filter with no defects noted. Installed new oil filter P/N: CH48108-1 and serviced engine with 8 quarts of Phillips 20W-50. Ground ran aircraft. Leak checks good.

The Items identified above and/or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at this repair station under Work Order Number: S15-55455

Signed:  for Signature TechnicAir. CRS#: EWGR752D

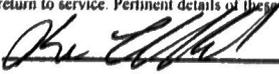
Engine Model : IO-360-ES
Engine Serial # : 360644
Engine TSN/TSO :
Engine CSN/CSO :
Engine Position : Front
Log Book : Engine
A/C Reg # : N984PG
Work Order # : S15-55937
A/C Ser # : 1959
A/C Time : 1,717.10
Date : 8/4/2016

TECHNICAIR
Aircraft Maintenance
A BBA Aviation company
1030 PTI Drive
Greensboro, NC 27409
P: 800-334-2001 | F: 336-668-4434

Routine Maintenance

79-00-00 Drained engine oil system. Removed and inspected oil filter with no defects noted. Installed new oil filter P/N: CH48108-1. Serviced engine with 8 quarts of Phillips 20W-50XC. Ground ran aircraft with no leaks noted. Work done as per Cirrus SR20 maintenance manual 12-10.

The Items identified above and/or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at this repair station under Work Order Number: S15-55937

Signed:  for Signature TechnicAir. CRS#: EWGR752D

Dynamic Mechanic LLC. ■ Rockingham County / Shiloh Airport K5IF ■
 Stoneville, NC
 Make: CIRRUS DESIG Model: SR20 Reg. No.: N984PG
 Order No.: 134 Completed: 08/25/16
 S/N: 1959 Tach Time: 1648.20 TTAF: 1648.20
Engine Log Type: Continental K360ES21 S/N: L360644
 Total Time: 1648.2 SOH: 191.6

Conducted Annual Inspection I.A.W. FAR 43.13 Appendix D. Using
 Manufacturers' inspection checklist as a guide. Compressions: #1: 76, #2:
 74, #3: 76, #4: 76, #5: 74, #6: 76/80. Drained oil and inspected filter (no
 abnormalities) Installed new CH48110-2 filter and serviced with Phillips
 20W-50XC. Cleaned and Gapped plugs and verified proper magneto
 timing. I certify that this Engine has been inspected in accordance with a
 annual inspection and was determined to in airworthy condition.-end
 Edward W. Petree 3069938 A&PIA

Recording ADs:
 None

Description of Maintenance Performed
 ons, AD's, SB's, Installations, Modifications, etc.

Engine Model : IO-360-ES A/C Reg # : N984PG
 Engine Serial # : 360644 Work Order # : S15-56515
 Engine TSN/TSO : 1,773.70 / A/C Ser # : 1959
 Engine CSN/CSO : A/C Time : 1,773.70
 Engine Position : Single Engine
 Log Book : Engine Date : 11/22/2016

SIGNATURE
 **TECHNICAIR™**
 Aircraft Maintenance
 A BBA Aviation company
 1030 PTI Drive
 Greensboro, NC 27409
 P: 800-334-2001 | F: 336-668-4434

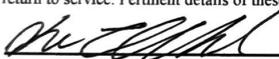
Routine Maintenance

79-00

Complied with Engine Oil Change.
 Drained engine oil system. Removed and inspected oil filter with no defects noted. Installed new oil filter P/N:

CH48108-1. Serviced eng
 done as per Cirrus SR 20

The Items identified above and/or provided to the owner on a Work Sum
 approved for return to service. Pertinent details of these repairs are on file

Signed: 

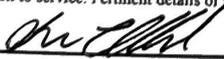
Engine Model : IO-360-ES A/
 Engine Serial # : 360644 W
 Engine TSN/TSO : A/
 Engine CSN/CSO : A/
 Engine Position : Center
 Log Book : Engine Dt

Routine Maintenance

79-00-00

Complied with Engine Oil Chan
 time. Installed new oil filter
 no leaks noted, reference C

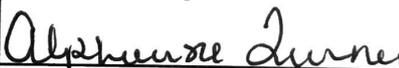
The Items identified above and/or provided to the owner on a Work Summ
 approved for return to service. Pertinent details of these repairs are on file

Signed: 

13a. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in a condition for safe operation.
 Non-approved design data specified in Block 12.

13b. Authorized Signature:



13c. Approval/Authorization No.:

375496722

13d. Name (Typed or Printed):

ALPHONSO TURNER

13e. Date (dd/mmm/yyyy):

30-Mar-2017

User/Installer Res

It is important to understand that the existence of this document alone does not automatically co

Where the user/installer performs work in accordance with the national regulations of an airwo
 Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accept
 specified in Block 1.

Statements in Block 13a and 14a do not constitute installation certification. In all cases, a rcraft
 the national regulations by the user/installer before the aircraft may be flown.

Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed
				Inspections, AD's, SB's, Installations, Modifications, etc.
8 APR 17	1791			CHANGED OIL. REPLACED FILTER WITH NEW CH48108 FILTER AND SERVICED WITH Phillips 20W50. (OK Check Good). REPLACED STARTER WITH NEW FROM SKYTECH STARTER - END EDWARD W. PETTEE 3069938 A&PIA

Dynamic Mechanic LLC. ■ Rockingham County / Shiloh Airport KSIF ■
 Stoneville, NC
 Make: CIRRUS DESIG Model: SR20 Reg. No.: N984PG
 Order No.: 172 Completed: 09/09/17
 S/N: 1959 Tach Time: 1851.60 TTAF: 1851.60
Engine Log Type: Continental IO360ES21 S/N: L360644

Conducted Annual inspection I.A.W. FAR 43.13 Appendix D. Using Manufacturers inspection checklist as a guide. Compressions: #1: 74, #2: 72, #3: 76, #4: 76, #5: 74, #6: 74/80. Drained oil and inspected filter (no abnormalities) Installed new CH48108-1 filter and serviced with Phillips 20W-50XC. Cleaned and Gapped plugs and verified proper magneto timing. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. -end Edward W. Pettee 3069938 A&PIA

Recurring ADs:
None

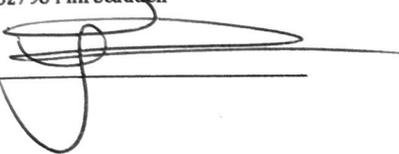
1. Approving Civil Aviation Authority/Country: FAA / UNITED STATES		2. Authorized Release FAA Form 8130-3, AIRWORTHY		4PG E: Cirrus EL: SR20 0-1959 IO360ES(21) 360644 s: 1957.5 1884.9
4. Organization Name and Address: C J AVIATION, INC. 12215 SW 131 AVE. MIAMI, FL 33186 YPGR715L				
6. Item:	7. Description:	8. Part Number:		
1	Fuel Pump	5217-00-3		
12. REMARKS: Maintenance Release: The aircraft, airframe, aircraft engine inspected in accordance with current regulations of the Federal Aviation Administration specified in block 11/12 was carried out in accordance with EASA Part-145 and release to service under EASA Part-145 Approval Number: EASA.145.5330 with				
Manual No: CJ2013-01		Revision No: B		
AD Detail: NONE				
SB Detail: N/A				

DATE 08/01/2018
MAKE Cirrus
Model SR20

Hobbs 1965.0
TACH 1892.4
S/N 1954

- 1.C/W ANNUAL INSPECTION I/A/W FAR 43 APENDIX D, Using Cirrus AMM as a guide.
- 1.Removed and cut open oil filter,NDN, Installed new oil filter P/N AA48108-2. Serviced engine with 8 QT of 20/50 Phillips.
- 2. Checked compression #1 72 #3 73 # 5 73#2 69 #4 72 #6 71 over 80.
- 3.Ajusted RH mag timing.
- 4. Clean gaped and rotated plugs
- 5. R&R new air filter BA-24
- 6.R&R heat exchanger and muffler with PMA units P/N 20559-04 & 20560-001

I certify that this aircraft has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.
I/A 40062798 Phil Scadden

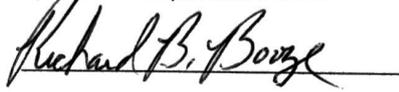


DATE 10/15/2019
MAKE Cirrus
Model SR20

Hobbs 2046.8
TACH 1971.1
S/N 1954

- 1.C/W ANNUAL INSPECTION I/A/W FAR 43 APENDIX D, Using Cirrus AMM as a guide.
- 1.Removed and cut open oil filter, NDN, Installed new oil filter P/N AA48108-2. Serviced engine with 8 QT of 20/50 Phillips.
- 2. Checked compression #1 72 #3 73 # 5 72 #2 69 #4 71 #6 72 over 80..
- 3. R&R 12 New URHM38E
- 4. R&R new air filter BA-24

I certify that this aircraft has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.
A/P 2796212091/A Richard Booze



ENGINE MODEL:
IO360ES21B
ENGINE S/N: 360644
REG. NO: N984PG
WORK ORDER:
6740-08-2019

ADVANCED Fly Advanced

Repair Station No. 5T2R901C
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

DATE: 11/2/2020
A/C TSN: 1989.1
ENG TT: 1989.1
TSMOH: 532.5
HOBBS: 2064.9

Engine Entries

Removed Engine Model: IO360ES21B, S/N: 360644 (TSN: 1989.1, TSO: 532.5) from Cirrus SR20-1959 (N984PG) and sent to Triad Aviation Inc. for IRAN.

Maintenance Release

The aircraft and/or component(s) on N984PG was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.

DATE: 11/2/2020

SIGNED: 
Joshua J. Ferry
Certified Repair Station No. 5T2R901C

Work Order: 6740-08-2019

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Statements in Blocks 13B and 14B do not constitute a maintenance release. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft is returned to service.

Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.
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Disassemble Continental IO-360-ES(21) Engine Serial Number 360644 For Case Change.

Reassembled and test ran.

Cleaned, inspected, magna fluxed, and repaired as needed. IAW Continental Overhaul Manual and FAA Regulations. Replaced parts as listed:

Crankcase - P/N C/N 642333/2 S/N M/N 9B599 Repaired by Crankcase Svcs. (WO# 30672)

Cylinders - P/N 658601A1 S/Ns AC15EA370, AC15EA451, AC15EA371, AC15EA368, AC15EA334, AC15EA388. Repaired as needed; Cleaned, inspected, honed barrels, refaced seats and valves, lapped and leak checked o.k.

Connecting Rods - 6ea P/N CMI IO-360 Subassembly Repaired by ACS (WO# 263194)

CW 97-26-17 C dated 01/23/1998 To prevent crankshaft failure CW per SB 96-10 CW 2010-11-04 dated 06/16/2010 To prevent excessive hydraulic lifter wear CW Installed lifters P/N 658106

Test Run- Test Ran Continental IO-360-ES(21) Engine Serial Number 360644 for 1 hour 30 mins, RPM 2575, oil pressure 55 lbs., oil temperature 210 degrees, CHT 375. Magneto check at 2100 RPM, L 125 RPM, R 125 RPM. Compression test cylinder #1 80/80 #2 78/80 #3 80/80 #4 79/80 #5 80/80 #6 78/80. This engine and/or component are approved for return to service. All pertinent details on file at this repair station. WO# 25997



Triad Aviation, Inc.
Burlington Municipal Airport
3439 South Aviation Drive
Burlington, NC 27215
336-227-1467

Stephen M. Musher
Authorized Signature

01/12/2021

Date

ENGINE MODEL:
IO360ES21B
ENGINE S/N: 360644
REG. NO. N984PG
WORK ORDER:
6740-08-2019

ADVANCED Fly Advanced

Repair Station No. 5T2R901C
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

DATE: 2/10/2021
A/C TSN: 1989.1
ENG TT: 1989.1
TSMOH: 532.5
HOBBS: 2064.9

Engine Entries

Annual Engine Inspection completed IAW FAR 91.409 and the requirements outlined in FAR 43 App. D. with reference to the Cirrus AMM checklist ch 5-20. (Installed Engine after Repair by Triad Engine Inc.). Final run up/leak check good. All Ad's current thru 2021-04 ... Removed and re-installed engine Model: IO360ES21, S/N: 360644 after repair by Triad Aviation Inc. (TSN: 1989.1 / TSO: 532.5) (see log entry dated 01-12-21). Serviced the engine with 7 quarts of Aeroshell 80 mineral oil. C/W fuel system setup IAW Continental maintenance and overhaul manual M-7. Run-up and leak check ok at this time, no defects noted. ... C/W 500 Hour Magneto Inspection on both mags, disassembled, cleaned and inspected both mags. Installed new distributor gear kits, garlock seals, points, intake and mag gaskets. Both coils are within limits. Set the internal timing and timed mags to the engine. ... Removed and replaced the tach generator with new P/N: 12323-003, S/N: A9166, installed with new tach drive seal and gasket. ... Removed and replaced the oil cooler shoe with new P/N: 632983. ... Transferred original engine Reiff preheat system to repaired engine as required.

I certify that this ENGINE has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.

DATE: 2/10/2021

SIGNED: *Joshua J. Ferry*
Joshua J. Ferry
Certified Repair Station No. 5T2R901C

Work Order: 6740-08-2019

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ENGINE MODEL:
IO360ES21B
ENGINE S/N: 360644
REG. NO. N984PG
WORK ORDER:
8219-07-2021

ADVANCED Fly Advanced

Repair Station No. 5T2R901C
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

DATE: 7/15/2021
A/C TSN: 2012.1
ENG TT: 2012.1
TSMOH: 555.5
HOBBS: 2097.4

Engine Entries

Drained the engine oil and replaced oil filter with new P/N: AA48108-2 filter. Serviced engine with 7 qts Phillips X/C 20w50 engine oil. Cut open removed filter and inspected, no contamination found at this time. Performed AvLab oil analysis. Ground run and leak checked ok at this time. ... Removed and replaced the #1 Cylinder CHT sensor with new P/N: 16578-001, operational check ok at this time

Maintenance Release

The aircraft and/or component(s) on N984PG was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.

DATE: 7/15/2021

SIGNED: *Joshua J. Ferry*
Joshua J. Ferry
Certified Repair Station No. 5T2R901C

Work Order: 8219-07-2021

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Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.
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ENGINE MODEL
ENGINE S/N
REG NO N984PG
WORK ORDER 1196



1005 Sycolin Road Suite 106
Leesburg VA 20175
Phone 703-443-4739

DATE 10/14/2021
A/C TSN 2019 1
ENG TT
TACH 2019 1

Engine Entries

Removed and replaced #1 EGT probe P/N 16579-002 Op's check good at this time

Maintenance Release

The aircraft and/or component(s) on N984PG 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 this maintenance are on file at our facility under the above work/service order number as applicable

DATE 10/14/2021

SIGNED

Work Order: 1196

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ENGINE MODEL IO-360-ES(21)
ENGINE S/N 360644
REG NO N984PG
WORK ORDER 1560



Advanced Leesburg

1005 Sycolin Road Suite 106
Leesburg, VA 20175
Phone 703-443-4739

DATE 4/12/2022
A/C TSN 2034 2
ENG TT 2034 2
TSMOH 577 6
TACH 2034 2

Engine Entries

Performed Annual Engine inspection IAW FAR 43 Appendix D and Cirrus SR20 AMM Chpt. 5-20 Removed cowling and inspected Performed Compression check. (1) 72/80 (2) 71/80 (3) 73/80 (4) 69/80 (5) 73/80 (6) 68/80, Master Onfile @ 45psi. Drained engine oil and collected Blackstone oil sample. Removed oil filter and inspected, no metal found. Installed and safety wired new oil filter P/N CH48108-1 and serviced with 8 quarts of Phillips X/C 20W50. Removed spark plugs; cleaned, inspected, gapped, tested, rotated. Checked engine controls for proper operation, travel, and rigging. Checked magneto timing, within limits. Reinstalled cowling. Performed post-maintenance ground run, ops and leak check ok. ADs searched on ATP through 04/01/2022.

Replaced cylinder #4 rocker cover gasket with (1) new P/N. APS-655704-S. Leak check ok.
Replaced cylinder #2 bottom spark plug with (1) new P/N. RHM38E. Ops check good.

I certify this Engine has been inspected IAW with an Annual Inspection and was found to be in Airworthy Condition.

Maintenance Release

The aircraft and/or component(s) on N984PG 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 this maintenance are on file at our facility under the above work/service order number as applicable

DATE: 4/12/2022

SIGNED

Dustin Heffner, IA. 3784018

Work Order: 1560

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ENGINE MODEL IO-360-ES
ENGINE S/N 360644
REG NO N984PG
WORK ORDER ISM10229-01-2023



Cirrus Factory Service Center

4134 Aviation Drive
Kissimmee, FL 34741

DATE 2/21/2023
A/C TSN 2050 2
ENG TT 2050 2
TSMOH 593 6
TACH 2050 2

Engine Entries

(5) Performed an Engine Annual Inspection of this engine in accordance with Cirrus Aircraft SR-20 AMM 05-20 inspection checklist. Compression check results: 1) 77/80 2) 74/80 3) 78/80 4) 77/80 5) 75/80 6) 76/80.

(7) Drained engine oil. Serviced engine with 8 quarts of Phillips X/C 20W50 engine oil. Replaced oil filter with new Champion CH48110-1. Performed particulate inspection on old filter and found no unusual contamination. Leak check performed with no discrepancies noted. Work accomplished in accordance with Cirrus Aircraft SR-20 AMM 12-10 and Lycoming CMM 12-10.

(19) Performed engine fuel system setup in accordance with Continental Motors IO-360 Maintenance Manual M-7. Post maintenance run up and leak check satisfactory.

Max RPM - 2610

FF - 17.4 GPH

Oil Temp - 194 Degrees F.

Oil Pressure - 47psi

(21) Removed Oil Filler Cap And Installed New Oil Filler Cap P/N 649278 IAW Cirrus Aircraft SR20 AMM 79-30.

(22) Timed LH Magneto To 24.0 Degrees BTC IAW Continental Motors Standard Practice M-0 Chapter 6-4.

(38) I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

DATE: 2/21/2023

SIGNED

Israel Lopez Ramos, IA 3629553

Work Order: ISM10229-01-2023

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Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.
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1500 Perimeter Rd Hangar C,
West Palm Beach, FL 33406
PH: (561)615-4033 FX: (561)615-3897

BSA WO # 23-2173

N984PG SR20 S/N 1959 HOBBS 2154.6
ENGINE IO-360-ES S/N 360644 ENG TT 2051.0

ENGINE ROUGHNESS (OCCURRED DURING CLIMBOUT FROM MISSED APPROACH PROCEDURE RNAV 9L AT MELBOURNE. LOW POWER SETTING TO TAKEOFF POWER APPLIED. COMBUSTION APPEARED INCOMPLETE/STUMBLER. FUEL PUMP WAS ON, FUEL QUANTITY WAS ADEQUATE, MIXTURE WAS RICH) HIGH FUEL FLOW READING ON INITIAL TAKE OFF.
UNCOWLED ENGINE. REMOVED PLUGS, PLUGS SHOWED NO EVIDENCE OF ABNORMAL OPERATION, FOUND 2 SPARK PLUGS WORN - REMOVED AND REPLACED WITH NEW P/N OFF/ON: URHM38E S/N OFF/ON: N/A. CLEANED AND TESTED THE REST OF THE PLUGS. PLUGS TEST GOOD. REPLACED GASKETS WITH NEW P/N OFF/ON: AN900-10 (MS35769-11). SPARK PLUG MAINTENANCE PERFORMED IAW CONTINENTAL SPM CHAPTER 6-4.9.2.
PERFORMED COMPRESSION CHECKS, ALL CYLINDERS AT THE HIGH SIDE OF NORMAL: 1) 78 2)77 3)79 4)78 5)76 6)75. DRAINED OIL, REMOVED AND REPLACED OIL FILER P/N OFF/ON: AA48108-2 S/N OFF/ON: N/A WITH SCREEN. WORK DONE IN REF TO CIRRUS SR20 MM 79-20. NO EVIDENCE OF INTERNAL FAILURE NOTED. SERVICED OIL WITH 9 QUARTS OF 20W-50. REF CIRRUS SR20 MM 12-10.
REMOVED INJECTORS, NO EVIDENCE OF ABNORMAL OPERATION. CLEANED INJECTORS. NOTICED SLIGHT SEEPAGE AT MULTIPLE INTAKE TUBE ATTACH AT CYLINDER. REMOVED ALL TUBES, CLEANED MATING SURFACES. INSPECTED INTAKE PORTS FOR CRACKING OR OTHER ABNORMALITIES - NONE NOTED. ALL WORK PERFORMED IAW CONTINENTAL SPM CHAPTER 10-2.
REMOVED EXHAUST, INSPECTED IN EXHAUST PORTS FOR ABNORMALITIES OR CRACKING, NONE NOTED. REMOVED AND REPLACED EXHAUST GASKETS IAW CIRRUS SR20 MM 78-10.
GASKET - NEW P/N OFF/ON: M674 S/N OFF/ON: N/A;
GASKET - NEW P/N OFF/ON: 630365 S/N OFF/ON: N/A;
GASKET - NEW P/N OFF/ON: 654227 S/N OFF/ON: N/A;
BORESCOPED CYLINDERS INTERNAL CONDITION FOR ABNORMALITIES, NONE NOTED. BORESCOPED FROM THE OIL SUMP, INSPECTED CAMSHAFT AND LIFTERS FOR ABNORMAL WEAR, WEAR PATTERN IS NORMAL.
DRAINED FUEL FROM BOTH WING SUMPS AND ENGINE FEED HOSE AND CHECKED FOR WATER OR OTHER CONTAMINATES, NONE NOTED. CHECKED MAGNETO TO ENGINE TIMING, TIMING WAS CORRECT @ 24.
PERFORMED ENGINE RUNS, ALL CHECKS GOOD, NO FURTHER DEFECTS NOTED.

PG 1 OF 2

HIGH ENGINE OIL TEMP READINGS. INSPECTED, FOUND LEFT BANK ENGINE ANALYZER HARNESS CLAMP DISPLACED AND HARNESS WAS LYING ON EXHAUST. REPOSITIONED CLAMP AND FIRE SLEEVE SURROUNDING WIRES WAS DISCOLORED. RAN ENGINE AND MONITORED OIL TEMP. TEMP READS GOOD, NO OTHER DEFECTS NOTED. WORK DONE IN REF TO CONTINENTAL SPM CHAPTER 7.

SPORADIC CHT AND EGT READINGS ON THE MFD ENGINE PAGE. INSPECTED, FOUND LEFT BANK ENGINE ANALYZER HARNESS CLAMP DISPLACED AND HARNESS WAS LYING ON EXHAUST. FIRE SLEEVE SURROUNDING WIRES WAS DISCOLORED. FIRE SLEEVE REPLACED, CLAMPS ADDED AND MOUNTED ALL CABLES AWAY FROM EXHAUST. WORK PERFORMED IAW AC43.13-1B CHAPTER 11 SECTION 9 PARAGRAPH 11-124 AND CHAPTER 11 SECTION 11 PARAGRAPH 11-146.

TRIED TO CRANK ENGINE AND PROPELLER WOULD NOT ROTATE. FOUND VOLTAGE GETTING TO STARTER, BUT STARTER WOULD NOT ENGAGE. REMOVED STARTER FOUND BOTH "HOT" POSTS HAD CONTINUITY LEADING TO SOLENOID BEING STUCK OPEN. RECOMMENDED STARTER REPLACEMENT. REMOVED AND REPLACED STARTER IAW CIRRUS SR20 MM 80-10. OPS CHECK GOOD. STARTER - NEW P/N OFF/ON: C24ST5 S/N OFF: H-R031020 S/N ON: H-011844

RAN ENGINE TO CHECK EGT AND CHT PARAMETERS. CYLINDER 4 EGT WAS REGISTERING VERY LOW TEMP, ALL CHT TEMPS WERE WITHIN NORMAL RANGE. SUSPECT BAD EGT PROBE ON CYLINDER 4. UPON INSPECTION FOUND THAT THE #4 CYLINDER EGT WIRE WAS PINCHED IN CLAMP. AFTER REMOVING CLAMP INSPECTED WIRE AND FOUND WIRE TO BE SEVERED AND WILL NEED TO BE REPLACED. NOTIFIED CUSTOMER THAT THIS ISSUE IS NOT A GROUNDING ISSUE. CUSTOMER HAS ELECTED TO WORK AT A LATER TIME. TROUBLESHOOTING PERFORMED IAW AC43.13-1B CHAPTER 11 SECTION 8.

The aircraft / engine / or component identified above was repaired and/or inspected in accordance with and using the manufacturers maintenance practices and/or other approved data. This aircraft is approved for return to service for the work performed.
SEAN GROSS A&P 4172850 04/19/2023 *[Signature]*

PG 2 OF 2



Heck Air LLC · 1389 General Aviation Dr. · Melbourne, FL 32935 · 3212559155

N984PG

Flight: 2101.9

CONT MOTOR, IO-360-ES, S/N: ENGINE SN TBD

SINCE NEW (Flight):
2101.9

SINCE OVERHAUL
(Flight): 645.3

February 12, 2024

Hobbs: 2242.0

Complied with conditional inspection on this engine. Compression results as follows: 1) 74 2) 74 3) 78 4) 78 5) 74 6) 76/80. Drained oil, replaced oil filter and serviced with 8 qts of XC-20W50. In accordance with Cirrus SR20 Airplane Maintenance Manual (CHAPTER 5-20: SCHEDULED MAINTENANCE).

I certify that this Powerplant has been inspected on 02/12/2024 in accordance with the scope and detail of Appendix D to Part 43 and found to be in a condition safe for flight.

Jack Mabb A&P 4936656

A handwritten signature in black ink, appearing to read "Jack Mabb", written over a horizontal line.

BIG SKY AVIATION
1516 PERIMETER ROAD, SUITE 109 WPB, FL 33415
Phone (561)615-4033 Fax (561)615-3897

Date: 3/28/2024; Aircraft: N984PG; Type: CIRRUS SR20; S/N: 1959
Airframe: Hobbs: 2273.1

Shop Order # 24-1925

Engine Model: IO-360-ES
Engine SN: 360644
Tach: 2119.9

-AIRCRAFT HAS BEEN EXPERIENCING HIGH ENGINE OIL TEMPERATURE READINGS (EXCEEDANCES) THAT ARE BELIEVED TO BE INACCURATE.
-REMOVED AND REPLACED OIL TEMPERTURE SENDER P/N 12634-001 NO S/N ON/OFF IAW CIRRUS MAINTENANCE MANUAL P/N 12137-001 CHAPTER 79-30 PARAGRAPH F. ALL CHECKS GOOD.

The aircraft / engine / or component identified above was repaired and/or inspected in accordance with and using the manufacturers maintenance practices and/or other approved data. This aircraft is approved for return to service for the work performed.

Name: JAMES RATH

Signature: 

Certificate #: A&P 3515288



Cirrus Design Corporation
 4515 Taylor Circle
 Duluth, MN 55811

Phone: 218-727-2737
 Fax: 218-727-2148
 www.cirrusaircraft.com

PACKING SLIP

PACK SLIP NO. 212198*3	DATE SHIPPED 08/27/18
SALES ORDER NO. 212198	DATE ORDERED 08/10/18
CUSTOMER PURCHASE ORDER NO. 8378	
SHIP VIA FedEx Ground	INCOTERMS FCTRY-PPD

Sold To	Q1*12265 Million Air Richmond RIC International Airport 400 Portgueue Road Richmond VA 23250-2417 United States	Ship To	12265 Million Air Richmond RIC International Airport 400 Portgueue Road Richmond, VA 23250-2417 United States
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Item	Product and Description	UOM	QTY Ordered	QTY Shipped	QTY B.O.	Serial Numbers
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0003 12634-001
 PROBE, OIL TEMPERATURE
 Country of Origin: US HTS: 8803300010
 Model SR22T S/N 0144
 Tracking Number: 617957779524

(Signature)
 Director, Quality Assurance

CERTIFICATE OF CONFORMANCE

Cirrus Aircraft certifies that the items shipped on this order are in compliance with all engineering drawings and specifications, and meet all quality control specifications set forth.

All items listed above are considered airworthy, meet the requirements of U.S. Type Certificates A00009CH or A00018CH and were manufactured under U.S. Production Certificate PC338CE.

Items are eligible for installation on Cirrus model SR20, SR22, SR22T and SF50.

Please direct all accounting and payment matters to ar@cirrusaircraft.com.

A pre-approved RMA number must accompany all non-warranty core return items. Contact partreturns@cirrusaircraft.com with any questions or inquiries.

A warranty claim must be filed for all warranty core returns. The warranty claim number and copy of claim form must accompany all warranty core returns. Contact warranty@cirrusaircraft.com with any questions or inquiries.

Items that are not defective or damaged in any way may be returned for credit within 60 days of invoice date. Items may be subject to a restocking fee of 15% or \$50 per item, which ever is greater, with a maximum fee of \$500.

Damaged or discrepant shipments must be reported to Cirrus Aircraft within 24 hours of receipt. Failure to report damaged shipments in a timely manner may result in partial

RECEIVED & INSPECTED
 BY: JS
 DATE: 8/31/18

Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications
wo: WO_8224		Engine · page 1 of 1		
				
Heck Air LLC · 1389 General Aviation Dr. · Melbourne, FL 32935 · 3212559155				
N984PG FLIGHT: 2222.3	CONT MOTOR, IO-360-ES, S/N: 360664 HOBBS: 2434.2			October 14, 2025
<p>Performed Annual Inspection IAW Cirrus SR20 AMM 12137-001. Compressions: 1)78 2)77 3)70 4)74 5)78 6)76. Performed oil change using filter P/N AA48108-2 and 8qts Phillips XC 20W50. Replaced #4 EGT probe P/N 16579-002. Researched AD's through this date. AD2023-05-16: Crankshaft Counterweight Retaining Rings N/A by engine S/N. I certify that this Engine has been inspected IAW an Annual Inspection and was determined to be in airworthy condition at this time.</p>				
Phillip Scrivner A&P IA 2724196 				