

BOOK # 2

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

BOOK # 2

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

ZEPHYR AIRCRAFT ENGINES INC.

39320 B, Avenue. Zephyrhills FL. 33542
(813) 788-3305. FAX (813) 788-4412

W.O. No. 220197
Mfg. Continental
Serial No. 1003357

N378TT

Dated November 19, 2020

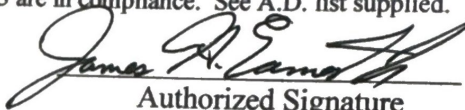
Model IO-360-ES (22)

Engine Total Time. 2096.5

Time since Major Overhaul. 0.00

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts Limits. The Engine was disassembled, cleaned, and inspected in accordance with Manufacturer's instructions. All steel parts magnafluxed, reassembled and test run in accordance with manufacturer's current overhaul manual and in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of these repairs are on file at this agency under the W.O. # listed above. All applicable Airworthiness Directives thru 2020-23 are in compliance. See A.D. list supplied.

F.A.A. APPROVED REPAIR STATION #VI4R397M



Authorized Signature

James H. Earnest Jr.

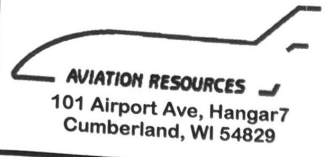
Installed (6) new TCM cylinder assemblies P/N. 658821 repaired by Ly-Con Rebuilding Co. CRS# CT3R435L (see FAA Form 8130-3)

Components, Accessories, & Related Parts supplied or installed.

	P/N	S/N	Overhauled	Repaired	Not Repaired
Fuel Servo	652844-1A6	A10IA109	X		
Fuel Flow Divider	646508-10A7	C10IA136	X		
Fuel Pump	649368-74A4	B14KA047	X		
Left Magneto	NOT SUPPLIED	S/N			
Right Magneto	10-500556-3	D15GA230	X		
Oil Cooler	20458A/646880-4	F15-12451-96	X		
Spark Plugs	RHM38S	Ignition Harness			
Oil Filter	CH48108-1	P/N		NOT SUPPLIED	

SUB-TOTALS this page

TOTALS-Carry forward to next page




AVIATION RESOURCES
101 Airport Ave, Hangar7
Cumberland, WI 54829

N378TT	ENGINE LOG BOOK ENTRY					12/8/20
Cirrus	SR20	S/N 2074	Flight	2096.5	Hobbs	2564.8
Continental	IO 360 ES(22)B	S/N 1003357	TSOH	0.0	Hobbs	2564.8
MT	MTV-12-D	S/N 141042	TTP	584.6	Hobbs	2564.8

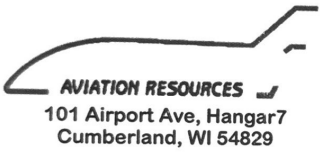
Removed cowling. Removed and re-installed engine after overhaul by Zephyr Aircraft Engine Services (see WO # 220197) with new Lord mounts P/N J-9613-58. Installed new engine hoses P/N's 124J002-8CR-0137, 124J003-4CR-0074, 124J001-4CR-0330, 124J003-4CR-0274, 124J001-4CR-0240, and 124J007D0356C-270. Installed new air filter element P/N BA24. Added 8 quarts of Phillips 20W50 Type M oil. Installed new Tempest oil filter P/N AA48108-2. Lubricated throttle, prop control rods, and mixture rods. Removed left magneto and ignition harness. Installed Surefly Partners Ltd. Electronic ignition module, model SIM6C Rev A, S/N 6C-2620009 - IAW SE04349CH and AML dated 10/31/18; Installation instructions Doc No. SF1003, Rev B. Installed new ignition harness to all lower spark plugs. Relocated right magneto ignition leads on 2-4-6 cylinders to top spark plug. (Minor alteration) Manifold Pressure reference is NOT installed. Timed right magneto to 21° BTDC and left SureFly to 23° BTDC. (limits of type certificate) See FAA 337 form dated 12/8/20. Increased all lower spark plug gaps to .032". Performed Engine-driven/electric fuel pump leak check per Cirrus maintenance manual; found satisfactory. Checked alternate air door; found satisfactory. Checked oil breather tube and relief hole; found satisfactory. Performed ground run and leak check; found satisfactory. Reinstalled cowling. (Refer to Job #378TT7 for details.)

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

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AVIATION RESOURCES, LLC
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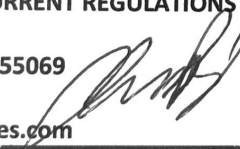
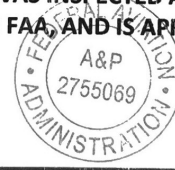
AVIATION RESOURCES
101 Airport Ave, Hangar7
Cumberland, WI 54829

N378TT	ENGINE LOG BOOK ENTRY					12/12/20
Cirrus	SR20	S/N 2074	Flight	2098.6	Hobbs	2567.5
Continental	IO 360 ES(22)B	S/N 1003357	TSOH	2.1	Hobbs	2567.5
MT	MTV-12-D	S/N 141042	TTP	586.7	Hobbs	2567.5

Removed cowling. Turned prop gov rod end in 2 turns. Removed and replaced oil temp sensor with new P/N 26920-001. Removed all lower spark plugs and gapped to .032"; re-installed plugs and swapped #2 and #4 spark plug positions. Leak check found satisfactory. Installed cowling. (Refer to Job #378TT7 for details.)

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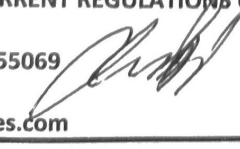
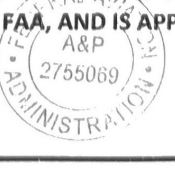
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N378TT	ENGINE LOG BOOK ENTRY					12/15/20
Cirrus	SR20	S/N 2074	Flight	2101.3	Hobbs	2570.9
Continental	IO 360 ES(22)B	S/N 1003357	TSOH	4.8	Hobbs	2570.9
MT	MTV-12-D	S/N 141042	TTP	589.4	Hobbs	2570.9

Removed cowling. Removed SureFly S/N 6C-2620009 and replaced with new S/N 6C-2620016. Timed SureFly to 23°. Ground run found satisfactory. Installed cowling. (Refer to Job #378TT7 for details.)

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

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James A. Barker
 A&P # 2755069

2011-28-07
 10 prevent
 impulse coup

12/16/20

ENGINE LOG BOOK ENTRY

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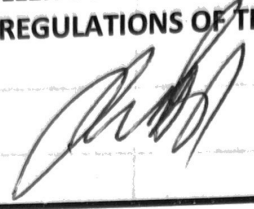
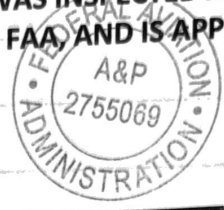
Cirrus	SR20	S/N 2074	Flight	2102.3	Hobbs	2572.2
Continental	IO 360 ES(22)B	S/N 1003357	TSOH	5.8	Hobbs	2572.2
MT	MTV-12-D	S/N 141042	TTP	590.4	Hobbs	2572.2

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Removed cowling. Removed and replaced #2 lower spark plug with new P/N URHM38S; ground run not satisfactory. Swapped spark plugs from #2 and #1 positions both top and bottom; ground run and leak check found satisfactory. Installed cowling. (Refer to Job #378TT7 for details.)

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

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12/17/20

ENGINE LOG BOOK ENTRY

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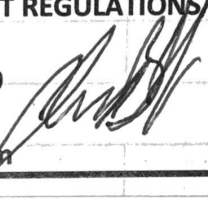
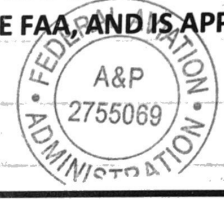
Cirrus	SR20	S/N 2074	Flight	2103.0	Hobbs	2573.1
Continental	IO 360 ES(22)B	S/N 1003357	TSOH	6.5	Hobbs	2573.1
MT	MTV-12-D	S/N 141042	TTP	591.1	Hobbs	2573.1

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Removed cowling. Removed and replaced all lower spark plugs with new P/N URHM38E. Leak check found satisfactory. Installed cowling. (Refer to Job #378TT7 for details.)

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1/7/21

ENGINE LOG BOOK ENTRY

N378TT

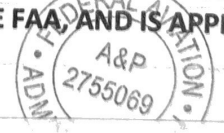
Cirrus	SR20	S/N 2074	Flight	2104.6	Hobbs	2579.8
Continental	IO 360 ES(22)B	S/N 1003357	TSOH	8.1	Hobbs	2579.8
MT	MTV-12-D	S/N 141042	TTP	592.7	Hobbs	2579.8

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Removed cowling. Removed #2 cylinder and routed to Zephyr Hills for repair; re-installed cylinder after repair. Drained oil, sample taken for analysis. Removed oil filter and examined internal element for contamination, none found. Installed new filter P/N AA48108-2 and 8 quarts Phillips 20W50 Type M oil. Ground run, magneto check, and leak check found good. Installed cowling; landing light check found satisfactory. (Refer to Job #378TT7 for details.)

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

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1/20/21

ENGINE LOG BOOK ENTRY

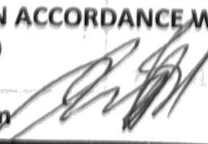
N378TT

Cirrus	SR20	S/N 2074	Flight	2105.4	Hobbs	2581.0
Continental	IO 360 ES(22)B	S/N 1003357	TSOH	8.9	Hobbs	2581.0
MT	MTV-12-D	S/N 141042	TTP	593.0	Hobbs	2581.0

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THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND HAS BEEN FOUND SAFE FOR THE INTENDED FLIGHT IN ACCORDANCE WITH SPECIAL FLIGHT PERMIT DATED 1/19/21.

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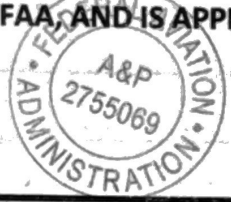
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N378TT		ENGINE LOG BOOK ENTRY				2/17/21	
Cirrus	SR20	S/N 2074	Flight	2107.0	Hobbs	2582.8	
Continental	IO 360 ES(22)B	S/N 1003357	TSOH	10.5	Hobbs	2582.8	
MT	MTV-12-D	S/N 141042	TTP	595.1	Hobbs	2582.8	

Removed cowling. Removed and replaced vernatherm with new P/N 639305. Removed and replaced oil cooler with new P/N 646880. Removed oil pressure relief valve and replaced both springs with new P/N's 539619 and SA637083; replaced plunger with new P/N 631687; re-installed relief valve. Removed and replaced #2 EGT probe with new P/N 24585-001. Ground run and leak check found satisfactory. Installed cowling. (Refer to Job #378TT7 for details.)

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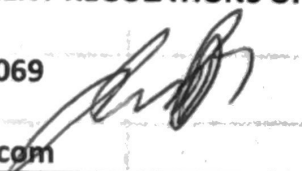
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 Cumberland, WI 54829

N378TT		ENGINE LOG BOOK ENTRY				2/18/21	
Cirrus	SR20	S/N 2074	Flight	2107.0	Hobbs	2582.8	
Continental	IO 360 ES(22)B	S/N 1003357	TSOH	10.5	Hobbs	2582.8	
MT	MTV-12-D	S/N 141042	TTP	595.1	Hobbs	2582.8	

Removed cowling. Removed and replaced vernatherm with new P/N 639305. Removed and replaced oil cooler with new P/N 646880. Removed oil pressure relief valve and installed new spring P/N 627458; replaced plunger with serviceable P/N 641075; re-installed relief valve. Removed and replaced #2 EGT probe with new P/N 24585-001. Ground run and leak check found satisfactory. Installed cowling. (Refer to Job #378TT7 for details.)

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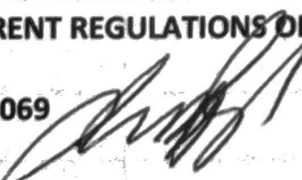
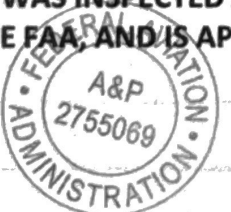
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N378TT		ENGINE LOG BOOK ENTRY				2/18/21	
Cirrus	SR20	S/N 2074	Flight	2108.5	Hobbs	2587.0	
Continental	IO 360 ES(22)B	S/N 1003357	TSOH	12.0	Hobbs	2587.0	
MT	MTV-12-D	S/N 141042	TTP	596.6	Hobbs	2587.0	

Removed cowling. Replaced oil pressure regulator spring. Adjusted oil pressure regulator out 1/4 turn. Ground run and leak check found satisfactory. Installed cowling. (Refer to Job #378TT7 for details.)

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

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Southeast Aero Services Inc.

St Augustine, FL.

(904) 824-1800 / (904) 824-6224



AVIATION RESOURCES

101 Airport Ave, Hangar7
Cumberland, WI 54829

N378TT

ENGINE LOG BOOK ENTRY

7/29/21

Cirrus	SR20	S/N 2074	Flight	87.5	Hobbs	2675.2
Continental	IO 360 ES(22)B	S/N 1003357	TSOH	87.5	Hobbs	2675.2
Hartzell	MTV-12-D	S/N 141042	TTP	695.0	Hobbs	2675.2

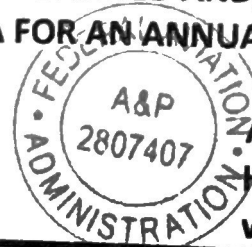
Performed ground run. Removed cowling. Performed compression test - #1 73/80, #2 74/80, #3 75/80, #4 72/80, #5 73/80, and #6 75/80 - M/O 44/80. Borescope inspection found satisfactory. Removed spark plugs; gap checked and resistance checked; cleaned lead spring contacts; anti-seized, and reinstalled. Replaced lead spring contacts; anti-seized, and reinstalled. Drained oil; took oil sample to route to Blackstone for analysis. Oil filter inspected; no contamination noted. Installed new Tempest oil filter P/N AA48108-2 and serviced with 8 quarts of Phillips 20W50XC oil and dose of Camguard. Removed and replaced air filter element with new P/N BA24. Lubricated throttle, prop control rods, and mixture rods. Adjusted magneto-to-engine timing for SureFly and mag to both at 24° BTDC. Performed Engine-driven/electric fuel pump leak check per Cirrus maintenance manual; found satisfactory. Removed #2 cylinder intake tube flange and rotated to allow fuel nozzle removal; torqued nuts. Checked alternate air door; found satisfactory. Checked oil breather tube and relief hole; found satisfactory. Accessed all fuel injectors for tooling test; re-installed injector lines. Performed ground run and leak check; found satisfactory. Reinstalled cowling. (Refer to Job #378TT9 for details.)

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

SCOTT STANDAERT A&P/IA 2807407

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Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

S/N: 1003357

CMI IO-360-ES(22)B

13 October 2021

Hobbs: 2716.8 hrs

Oil drained, Blackstone sample taken. Oil filter removed, contents examined with no contaminants noted. filter installed, safetied and engine serviced with 7 quarts of Phillips X/C 20 W 50 oil. Engine ground run completed with no leaks.

Flt Hr: 132.6 hrs.

N378TT
 Engine Total Time: 2240.6 hrs.
 TSOH: 144.1 hrs.

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

S/N: 1003357

N378TT

CMI IO-360-ES(22)B

13 October 2021

Hobbs: 2716.8 hrs

Flt Hr: 132.6 hrs.

Engine Total Time: 2240.6 hrs.

TSOH: 144.1 hrs.

Oil drained, Blackstone sample taken. Oil filter removed, contents examined with no contaminants noted. New oil filter installed, safetied and engine serviced with 7 quarts of Phillips X/C 20-W-50 oil and Camguard additive. Engine ground run completed with no leaks noted.


Robert J. Weber A&P3824115

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

S/N: 1003357

N378TT

CMI IO-360-ES(22)B

29 December 2021

Hobbs: 2746.4 hrs

Flt Hr: 164.7 hrs.

Engine Total Time: 2272.7 hrs.

TSOH: 176.2 hrs.

Oil drained, Blackstone sample taken. Oil filter removed, contents examined with no contaminants noted. New oil filter installed, safetied and engine serviced with 8 quarts of Phillips X/C 20-W-50 oil. Engine ground run completed with no leaks noted.


Jhon A. Schaefer A&P4013604

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

CMI IO-360-ES(22)B

S/N: 1003357

N378TT

16 February 2022

Engine Total Time: 2298.1 hrs.

Hobbs: 2773.0 hrs

Flt Hr: 190.1 hrs.

TSOH: 201.6 hrs.

Oil drained, Blackstone sample taken. Oil filter removed, contents examined with no contaminants noted. New oil filter installed, safetied and engine serviced with 7 quarts of Phillips X/C 20-W-50 oil and Camguard additive. Engine ground run completed with no leaks noted.

Liam P. Mullane A&P2807974

Page No. _____

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

DATE

TOTAL
TIME
IN
SERVICE

TOTAL
TIME
SINCE
OVERHAUL

TACH OR
RECORDING
METER
TIME

TOTALS brought forward from previous page

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

CMI IO-360-ES(22)B

S/N: 1003357

N378TT


24 March 2021

Hobbs: 2610.6hrs

Flt Hr: 31.3hrs.

Oil drained, Blackstone sample taken. Oil filter removed, contents examined with no contaminants noted. New oil filter installed/secured and engine serviced with 7qts. Phillips X/C 20-W-50 oil. Replaced/rebonded cowl seal as required.

Engine ground run completed with no leaks noted.


Liam P. Mullane A&P2807974

wo. WO_788

CAROLINA AERO TECH

Engine page 1 of 1

Carolina Aero Tech LLC 85 Summit Drive Hiltonhead, SC 29926 843-816-2650

N378TT

CONT MOTOR, S/N: 1003357

June 10, 2022

FLIGHT TIME: 229.3

ETT: 2325.8

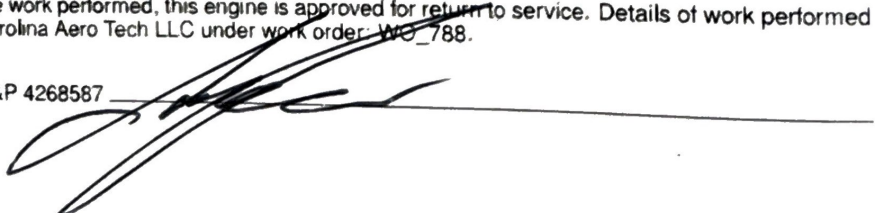
SMOH: 229.3

HOBBS: 2817.5

1. Preformed 100 Hour Inspection Per Continental MM Less SB.
2. Diff Comps 1/74 2/76 3/77 4/77 5/76 6/75.
3. Replaced oil filter and drain oil. fill to manufacturers spec. Cut open filter and inspect. Nothing Noted. Wash engine and preform run up and inspect for leaks. Installed (8) P/N Aeroshell 15w50 - Aeroshell 15w50, Installed P/N AA48108-2 - Oil Filter.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Carolina Aero Tech LLC under work order: WO_788.

Jason Gruener A&P 4268587



SUB-TOTALS this page

ENGINE MODEL IO-360-ES
ENGINE S/N 1003357
REG NO N378TT
WORK ORDER ISM10038-07-2022

 **CIRRUS** Cirrus Factory Service Center
AIRCRAFT
4134 Aviation Drive
Kissimmee FL 34741

DATE 7/13/2022
A/C TSN ~~22487~~ 2899.2
ENG TT ~~22487~~ 2899.2
TSMOH 249.9
TACH 249.9

Engine Entries

- (12) Performed a 50 HR servicing of this engine in accordance with the Cirrus Aircraft SR-20 AMM Chapter 05-20 scheduled maintenance checklist
- (13) Drained engine oil Serviced engine with 8 quarts of Phillips SAE20W-50 engine oil Replaced oil filter with new Tempest AA48108-2 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
- (16) Removed Old Oil Regulating Spring and installed new Springs PN 637083 and PN 539619 and adjusted OP as needed IAW Continental M-7
- (25) Removed 12 lifters P/N 658106 and installed new P/N 658106 IAW Continental Manual M-0
- (26) Removed Alternator1 PN 654200, SN E012929 Replaced with new Alternator1 PN 654200, SN H-U031706 IAW Cirrus SR20 AMM 24-30
- (27) Removed Alt 1 belt Replaced with new belt PN 657504 IAW Cirrus SR20 AMM 24-30
- (28) Removed ALT 2, PN 653344, SN H-E-261515 Installed new ALT PN 653344, SN H-T071395.
IAW Cirrus SR20 AMM 24-30
- (29) Removed old rocker cover gaskets and replaced with new rocker cover gaskets P/N 655704 on all six cylinders IAW Continental Manual M-0 Performed post run maintenance run No leaks found at this time

DATE 7/13/2022

SIGNED

John Goebel A&P 3075199

Work Order ISM10038-07-2022

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Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

CMI IO-360-ES(22)B

S/N: 1003357

N378TT

26 October 2022

Engine Total Time: 2388.9 hrs.


Hobbs: 2877.7 hrs.

Flt Hr: 280.9 hrs.

TSOH: 292.4 hrs.

Oil drained, Blackstone sample taken. Oil filter removed, contents examined with no contaminants noted. New oil filter installed safetied and engine serviced with 7 quarts of Phillips X/C 20-W-50 oil and Camguard additive. Engine ground run completed with no leaks noted.

Stephen Bradley Stovall AP:4209605

 AP:4209605

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

CMI IO-360-ES (22)B

S/N: 1003357

N378TT

24 January 2023

Engine Total Time: 2909.0hrs.

Hobbs: 2909.0hrs

Flt Hr: 307.7 hrs.

TSOH: 344.2hrs.

Oil drained, Blackstone sample taken. Oil filter removed; contents examined with no contaminants noted. New oil filter installed, secured and engine serviced with 7 quarts of Phillips X/C 20-W-50 oil and Camguard additive. Installed new CHT probes onto cylinders 4,6. Cleaned and added stabilant 22 to cylinder 5 CHT connector. Ground ran aircraft with no leaks noted at this time.



Southeast Aero Services Inc.

St Augustine, FL.

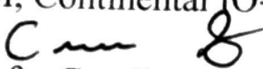
Phone (904) 824-1899/Fax (904) 824-6334

20 FEB 2023

FLT: 320.1

CMI IO-360-ES (22)B SN: 1003357 N378TT SN:2074

R+R CHT Probe on Cylinder #5. Performed operational check, Ops Check good. Owner reports Erratic Oil Pressure indication. Performed visual inspection on oil pressure indicator, no defects noted. Cleaned and resealed electrical connection at indicator. Performed operational check of system, oil pressure indications operating within nominal parameters, no defects noted. All work done IAW SR20 MM, Continental IO-360 MM, and AC43.13


Cristofer Goodin A&P3883011

Southeast Aero Services Inc.

Cirrus Aircraft

ENGINE MODEL IO-360-ES
ENGINE S/N 1003357
REG NO N378TT
WORK ORDER KTYS29754-06-2023

 **CIRRUS** Cirrus Factory Service Center

Repair Station No 9B0R988C
114 Cirrus Landing
Alcoa, TN 37701
Phone 865-980-8702

DATE 6/10/2023
A/C TSN 378 8
ENG TT 378 8
TSMOH 378 8
FLIGHTTIME 378 8

Engine Entries

(3) Drained engine oil. Serviced engine with 8 quarts of Phillips 20W50 X/C engine oil. Replaced oil filter with new Tempest AA48108-2. 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-2X AMM 12-10.

(4) Performed engine fuel system setup in accordance with Continental M-0.

Max RPM - 2650 RPM

FF - 17.2 Gal/hr

Oil Temp - 180 F

Oil Pressure - 56 PSI

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 this work order are on file at this Certified Repair Station CRS 9B0R988C.

DATE: 6/10/2023

SIGNED: 

Scott Woody
Certified Repair Station No 9B0R988C

Work Order: KTYS29754-06-2023

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WORK ORDER ISM10421-06-2023

4134 Aviation Drive
Kissimmee, FL 34741
Phone 689-244-5221

TSMOH 410 9
HOBBS 3000 2

Engine Entries

(5) Performed an annual inspection of this engine in accordance with Cirrus Aircraft SR-20 AMM 05-20 inspection checklist. Compression check results: 1) 76/80 2) 71/80 3) 74/80 4) 72/80 5) 73/80 6) 72/80. Master orifice reading: 42. Replaced induction air filter element, PN 50207-200.

(7) Drained engine oil. Serviced engine with 8 quarts of Phillips X/C 20W50 engine oil. Replaced oil filter with new Tempest AA48108-2. Performed particulate inspection on old filter and found no unusual contamination. Leak check performed with no discrepancies noted. Took Blackstone sample. Work accomplished in accordance with Cirrus Aircraft SR-20 AMM 12-10.

(9) Performed engine setup per Continental Motors IO-360 Maintenance Manual M-7. Post setup operational and leak check performed with no discrepancies.

(24) Installed Oil cooler bracket shoe PN: 632983 IAW Continental MM M-7

(28) Timed LH Mag in accordance with Continental Manual M-0 10.5.2 to 24 degrees.

(49) Removed RH Cylinder drain tube assy PN 642580. Installed new RH Cylinder drain tube assy PN: 642580. IAW Continental MM M-7 and M-0

(54) Removed RH tailpipe PN 20556-002. Installed new RH tailpipe PN: 20556-002, IAW Cirrus SR20 AMM 78-20

(55) Removed LH tailpipe PN 20556-002. Installed new LH tailpipe PN: 20556-002, IAW Cirrus SR20 AMM 78-20

(63) I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an 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. Pertinent details of this work order are on file at this Certified Repair Station CRS 9B0D988C.

DATE: 7/20/2023

SIGNED: 

Israel Lopez Ramos
Certified Repair Station No. 9B0D988C

Work Order: ISM10421-06-2023

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
1-15-24		466.1	3108.1	REPAIR PROP GOVERNOR OIL LEAK AT
			3655.2	PRESSURE REGULATOR.
				OIL CHANGE & FILTER 8 QTS. 20W/50 PHILLIPS
				CAMCLARD ADDED
				RUNUP & LEAKCHECK SATISFACTORY.
				MARK WEBB A+P 4596642
				_____ o _____

MAKE Cirrus
 MODEL SR20
 S/N 2074
 REG. NO N378TT
 ENG MODEL IO360ES22B
 ENG S/N: 1003357

ADVANCED

flyADVANCED

FAA Cert: 5T2R901C
 530 Airport Rd.
 Lititz, PA 17543

W/O # 10189-07-2024
 DATE: 08-02-2024
 Eng TT 2557.4
 Engine TSO 460.9
 Hobbs 3101.4
 A/C TT 2557.4
 Flight: 460.9

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 and Continental Motors Maintenance and OH Manual Sec. 6-3.4. Compression check (x/80) 1: 62 2: 62 3: 68 4: 65 5: 62 6: 62 - MO 42. Drained and sampled oil, sent to Blackstone for analysis. Removed engine oil filter and performed particulate inspection on filter media, no contamination found at this time. Installed a new AA48108-2 oil filter and serviced the engine with 7 quarts of Phillips XC 20W-50 & 1 pin CamGuard. Performed borescope inspection, no defects noted. Cleaned, gapped and tested the spark plugs. Cleaned the fuel injector nozzles. Checked the mag timing. Final run up/leak check good. All AD's current thru release 2024-15. Removed and replaced the left magneto with serviceable P/N: BL-500556-3, S/N: D13HA088R after performing 500 Hour Magneto Inspection. Disassembled, cleaned and inspected mag. Installed new distributor gear kit, points, and oil seal. Coil was within limits. Installed new capacitor. Set the internal timing and installed with new mag gasket. Set mag to engine timing. All work completed IAW Continental Ignition Systems Service Support Manual X42002-3 & Continental Maintenance Manual M-7. Next 500 hr Inspection Due on LH Mag Flight: 960.9. Removed and replaced the Alternator #2 Field Control Module with new P/N: 44031-001, S/N: 04204 IAW Cirrus AMM 24-30. Removed and replaced Alternator #2 with overhauled unit P/N: ES-4029R, S/N: A220312 IAW Cirrus AMM 24-30, installed with new gasket.

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

DATE: 08-02-2024

SIGNED:

Joshua J. Ferry
 FAA Cert. 5T2R901C

WORK ORDER 10189-07-2024

Printed by EBIS (EBISCloud.com)

No. _____

DESCRIPTION OF WORK PERFORMED -
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME
TOTALS brought forward from previous page			

AvDyne AeroServices, LLC

MAKE: Cirrus
MODEL: SR20
SERIAL NO: 2074
REGISTRATION NO: N378TT

Date: 12/10/2024
Work order: 24-11-004
Total Time: 3123.3
Tach Time: ~~476.6~~ 2579.3
TSO: 482.8
AK
ATP 45453415

Engine S/N: 1003357

1. Completed Annual inspection on engine I.A.W. FAR 43 appendix D, and Cirrus maintenance manuals 05-20.
2. AD research completed using AD toolbox, dated 12/3/2024.
3. Compression test completed: #1-80/80, 2-76/80, 3-72/80, 4-74/80, 5-72/80, 6-74/80. Master orifice-42.
4. Drained oil, sample taken and sent to Blackstone.
5. Removed oil filter, cut open and inspected, no metal noted.
6. Installed new oil filter P/N AA48108-2, torqued and safetied.

This aircraft and or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at agency under work order No: 24-11-004
Date: 12/10/2024

Signed: Andrew Kelly 1 of 2
For Avdyne Aeroservices LLC CRS # Y7NR985Y

AvDyne AeroServices, LLC

MAKE: Cirrus
MODEL: SR20
SERIAL NO: 2074
REGISTRATION NO: N378TT

Date: 12/10/2024
Work order: 24-11-004
Total Time: 3123.3
Tach Time: ~~476.6~~ 2579.3
TSO: 482.8
AK
ATP 45453415

7. Serviced engine with 8 QTS of Phillips 66 20W-50 engine oil.
8. Removed and replaced all 12 spark plugs P/N URHM38S.
9. Removed fuel injectors, cleaned and inspected, no defects noted. Reinstalled injectors I.A.W. Continental standard practice manual, and Cirrus maintenance manuals. Leak check ok.
10. Replaced induction air filter with P/N BA-111 I.A.W. Cirrus maintenance manuals.
11. Performed ground run-up. All engine parameters are within limits at this time.

//////////////////////////////////////END//////////////////////////////////////
This aircraft and or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at agency under work order No: 24-11-004
Date: 12/10/2024

Signed: Andrew Kelly 2 of 2
For Avdyne Aeroservices LLC CRS # Y7NR985Y

SUB-TOTALS this page

