

Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES		DESCRIPTION OF WORK PERFORMED: (INSPECTION, REPAIRS, REPLACEMENT)
	HOURS	min	HOURS	min	Sub Total	TOTAL	
BROUGHT FORWARD	→						

Custom Aircraft Inc. Palmer AK 907-745-6030

9-10-2021 TACH: TSMOH: 0.0 ETT: Engine (S/N:816607-R)
 Overhauled this date. Engine converted to IO-550-F-AP from IO-520-F I.A.W. Vitatoo Aviation LLC
 STC#SE03187AT with S/N 816607-R. Deviated from the STC by replacing the 658592A1 cylinder and
 valve assembly with 658810a1 cylinder and valve assembly, see form 8110-3 and form 337 dated 9-10-21.
 Disassembled, cleaned, and inspected. All steel parts were magnetically inspected, and no indications
 were observed. Assembled using a serviceable camshaft, balance tube, oil pump housing, and connecting
 rods. Assembled using a recertified crankcase. Assembled using new crankshaft, cam gear, crank gear,
 pistons, rod and main bearings, rod bolts, rod nuts, thru bolts, lifters, rocker arm bushings, connecting rod
 bushings, piston pins, transfer collar, gaskets, and seals. Installed new starter clutch. Installed new CMI
 cylinder assemblies. Installed recertified fuel pump, fuel control, and flow divider. Installed new ignition
 harness and spark plugs. Installed CMI overhauled magnetos. Installed new starter. Installed overhauled
 oil cooler. Installed new baffle set. AD compliance list is found in aircraft records. Engine tested IAW
 SB89-7. The engine identified above was repaired and inspected in accordance with the Manufacturers
 Maintenance Manuals, approved data and regulations of the Federal Aviation Administration and is
 approved for return to service. Ref: WO# 8338

3/1/2022 Tach 6265
 AFT 15,574.5

Installed as per mm
 Service with Pumps 20W-50
 All Seals OK Reg no leaks
 Found in Brackets Condition
 Removed Intake System Replaced
 all Gaskets with Superior
 All Hoses Supplied by Aero Avionics
 New Engine mounts & Bolts
 Tempest Fine wire URH B32\$
 Installed. ATec Dodge Heat
 Shields Aft mounts, ATec Dodge
 Ex. Prop Governor Overhauled
 H-APP Pre Heat Installed.

THIS PAGE
TOTALS

PREVIOUS
TOTALS

TOTALS
SINCE NEW

CARRY FORWARD to Top of Next Page

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

3/17/22 TACH 6276.5

Drained Oil, Removed Oil Filter and
 Inspected oil filter. no contaminants found.
 Removed Skytec Starter Model # C12ST5.
 Installed Continental motor 12 volt
 Starter P/N 646238 new. Serviced with
 12 quarts of Phillips 20-50 mineral oil.

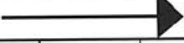
3/23/22 TACH 6297.0

Drained Phillips 20-50 mineral oil.
 Removed oil filter, installed new 48109
 oil filter, inspected old filter for contaminants
 none found. Serviced with 12 qts
 Phillips XC 20-50 oil.

4/02/22 TACH 6324.2

Drained Oil, Serviced with 11 qts
 Phillips XC 20-50 oil.

Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES		DESCRIPTION OF WORK PERFORMED: (INSPECTION, REPAIRS, REPLACEMENT)
	HOURS	min	HOURS	min	Sub Total	TOTAL	
BROUGHT FORWARD 							
4/12/22	TACH		636	5.0			Drained oil, Removed oil filter Inspected oil filter no contaminants found. Installed new 48109 Tempest oil filter. Compression on both #1 76/80 #2 75/80 #3 74/80 #4 7. #5 75/80 #6 76/80. Cleaned fuel injectors, cleaned spark plugs, checked magnet timing. Inspected control cables for proper function and security. Serviced with 12gts Phillips XC 20-50 oil. All AD's Complied with At this
	AFTT		156	74.8			
	ETSOH		100.0				
	ETT		1800.0				
4/28/22	TACH		639	2.0			Drained oil, Serviced with 11gts. Phillips XC 20-50 oil.
5/12/22	TACH		641	8.0			Drained oil, Removed oil filter. Installed new 48109 tempest oil filter. Serviced with 12gts Phillips XC 20-50 oil.
5/20/22	TACH		644	3.0			Drained oil, Serviced with 12 Phillips XC 20-50 oil.
THIS PAGE TOTALS 							
PREVIOUS TOTALS							
TOTALS SINCE NEW							

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

5/25/22

TACH: 6462.0 Drained oil, removed oil filter
 AFT: 1577.8 Inspected oil filter for contaminants,
 ETSN: 197.0 none found. Installed new 48109
 ETT: 1897.0 Tempstat oil filter. Compressions as
 follows; #1 78/80, #2 76/80, #3 70/80,
 #4 74/80, #5 76/80, #6 74/80. Checked fuel injectors,
 cleaned spark plugs, check magneto timing. Checked controls
 for proper function & security. Installed new gasket
 seal & gasket on tach drive housing with new of
 same. Serviced Engine with 12cts Phillips 20-50 oil
 All AIDs complied with @ this time.

I certify this AIRCRAFT/ENGINE/PROP has been
 inspected in accordance with an ANNUAL/100/50 hour
 inspection and was determined to be in an Airworthy
 Condition on this date 5/25/22

Name

No.

Signature

TACH 6462.0

Hobbs

TTAF 1577.8

ETSN 1897.0

Esoh 197.0

PTSN

Psoh

6/15/22

Tach: 6489.0

Drained oil, serviced with 12cts
 Phillips 20-50 oil

6/11/22

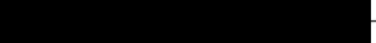
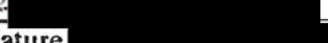
TACH: 6514.0

Drained oil, Removed oil filter & installed
 new Tempstat 48109 oil filter. Serviced with
 12cts. Phillips 20-50 oil.

Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES		DESCRIPTION OF WORK PERFORMED: (INSPECTION, REPAIRS, REPLACEMENT)
	HOURS	min	HOURS	min	Sub Total	TOTAL	
6/19/22	TACH	6540.2					Drained oil, Serviced with 1 qt's Phillips XC 20-50 oil.
I certify this AIRCRAFT/ENGINE/PROP has been inspected in accordance with an ANNUAL/100/50 hour inspection and was determined to be in an Airworthy Condition on this date <u>25 June 2022</u> Name <u>[REDACTED]</u> No. <u>[REDACTED]</u> Signature <u>[REDACTED]</u> TACH <u>6551</u> Hobbs <u>[REDACTED]</u> TTAF <u>15,868.8</u> ETSN <u>294</u> Esch <u>294</u> PTSN <u>72313</u> Psch <u>459</u>							
6-30-22	Tach	6584					Drained oil, Serviced with 1 qt's Phillips XC 20-50 oil.
7-15-22	Tach	6610					Drained oil, Removed filter and installed new tempstat 98109 oil filter Serviced with 1 qt's Phillips XC 20-50 oil.
7-25-22	Tach	6634					Drained oil Serviced with 1 qt's Phillips XC 20-50 oil.
I certify this AIRCRAFT/ENGINE/PROP has been inspected in accordance with an ANNUAL/100/50 hour inspection and was determined to be in an Airworthy Condition on this date <u>7/30/2022</u> Name <u>[REDACTED]</u> No. <u>A</u> Signature <u>[REDACTED]</u> TACH <u>6652</u> Hobbs <u>[REDACTED]</u> TTAF <u>15,961.8</u> ETSN <u>[REDACTED]</u> Esch <u>387</u> PTSN <u>[REDACTED]</u> Psch <u>552</u>							
THIS PAGE TOTALS							
PREVIOUS TOTALS							
TOTALS SINCE NEW							

Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES		DESCRIPTION OF WORK PERFORMED: (INSPECTION, REPAIRS, REPLACEMENT)
	HOURS	min	HOURS	min	Sub Total	TOTAL	
BROUGHT FORWARD 							
6/19/22	TACH	6540.2					Drained OIL, Serviced with 12 qts. Phillips XC-20-50 oil.
							
I certify this AIRCRAFT/ENGINE/PROP has been inspected in accordance with an ANNUAL/100/50 hour inspection and was determined to be in an Airworthy Condition on this date <u>25 June 2022</u> Name  No.  Signature  TACH <u>6559.7</u> Hobbs <u> </u> TTAF <u>15,968.8</u> ETSN <u>294</u> Esoh <u>294</u> PTSN <u>7331.3</u> Psoh <u>459</u>							
6-30-22	TACH	6564					Drained oil, serviced with 12 qts Phillips XC-20-50 oil.
							
7-15-22	TACH	6610					Drained oil, Removed filter and installed new tempstat 48109 oil filter. Serviced with 12 qts Phillips XC-20-50 oil.
							
7-25-22	TACH	6634					Drained oil Serviced with 12 qts Phillips XC-20-50 oil.
							
I certify this AIRCRAFT/ENGINE/PROP has been inspected in accordance with an ANNUAL/100/50 hour inspection and was determined to be in an Airworthy Condition on this date <u>7/30/2022</u> Name  No.  Signature  TACH <u>6652</u> Hobbs <u> </u> TTAF <u>15,961.8</u> ETSN <u> </u> Esoh <u>387</u> PTSN <u> </u> Psoh <u>552</u>							
THIS PAGE TOTALS							
PREVIOUS TOTALS							
TOTALS SINCE NEW							

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

8/8/22 Tach: 6677

Drained oil, serviced with 11gts
Phillips XC 20-50 oil.

8/19/22 Tach: 6702

Drained oil removed filter and installed new
tempest 48109 oil filter. Serviced with 11gts Phillips
XC-20-50 oil. Leak checked.

8/27/22 Tach: 6729

Drained oil & serviced engine with 10
gts Phillips XC 20W50. Engine ground
run & leak checked.

8/31/22 Compressions: #1 72/80 #2 68/80 #3 66/80 #4 74/80 #5 76/80 #6 76/80

I certify this AIRCRAFT/ENGINE/PROP has been
inspected in accordance with an ANNUAL/100/50 hour
inspection and was determined to be in an Airworthy
Condition on this date 8-31-22

Name

No.

Signature

TACH 6745.7

Hobbs

TTAF 16055.5

ETSN 480.7

Esoh

PTSN 645.7

Psoh

1/8/22 Tach 6770.7

Drained oil, serviced with 11gts Phillips XC 20-50 oil