

THE **adlog**<sup>TM</sup> AIRCRAFT  
MAINTENANCE  
RECORDKEEPING  
SYSTEM

L

**ENGINE  
MAINTENANCE  
RECORDS**

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
4-14-2023	4258.3	287.2		TOTALS brought forward from previous page + 411.3 = 698.5 Compressions 1-75, 2-74, 3-72, 4-70 5-70, 6-72 Adjust fuel pressures check mags check exhaust gasket + argue Install maggelignition leads I CERTIFY THAT THIS <u>Power plant</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. [Signature] AEP 2631919 1A
11/7/83	4267.8	206.3	3π smoh	oil & filter change [Signature] AEP 2631919
03-01-2024				Compressions 1-75, 2-75, 3-73, 4-72, 5-70, 6-72, oil & filter change clean air filter, clean HC injector I CERTIFY THAT THIS <u>Power PLANT</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. [Signature] AEP 2631919 1A
				SUB-TOTALS this page
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				TOTALS brought forward from previous page
				 Semiplane LLC 112 Citation Dr., Cresson, Tx. 76035 cel 281-723-6249 www.semiplane.com, FAA CRS# 5P9R650D REG# <u>N4660D</u> MAKE/MDL <u>BEECH H33</u> S/N <u>D4835</u> TTAF _____ Date: <u>6-8-24</u> WO# <u>478</u> I certify that the altimeter and static system tests required by 14 CFR part 91, 91.411 and transponder tests, including data correspondence, required by 91.413, have been performed and found to comply with 14 CFR part 43, appendices E and F. #1 Altimeter Model <u>AV30C</u> S/N <u>3301420</u> Transponder Model <u>WNGT9000</u> S/N _____ Encoder Model <u>ACK30</u> S/N _____ The altimeter was tested to <u>20000</u> feet on date <u>6-8-24</u> The transponder was tested on date <u>6-7-24</u> Encoder data correspondence was tested to <u>20000</u> feet on date <u>6-8-24</u> Static system leak tested on date <u>6-8-24</u> Signature <u>[Signature]</u> certificate no. <u>5P9R650D</u> form SMP002
				SUB-TOTALS this page
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19 April 2019	3959.4			clean, gap, rotate plugs Q E Rust AEP 2631919
29 May 2019	3980.7			oil & filter change Q E Rust AEP 2631919
17 Aug 2019	4024.6			clean gap rotate plugs oil & filter change Q E Rust AEP 2631919 IA
25 July 2019	Tach 4011.4 TSMOH 506.3			I CERTIFY THAT THIS Powerplant HAS BEEN INSPECTED IN ACCORDANCE WITH Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION Q E Rust AEP 2631919 IA
11-30-19	4060			R&R left Mag for Sure Fly SIM 68-4119089 Q E Rust AEP 2631919 STC'S SE 430439 CH # SA # 4378 CH Plug Service
12-12-2019	4065.0			oil & filter change Q E Rust AEP 2631919 IA
03-07-2020	4100.2			Installed new Vacuum Pump C/H RA216CW S/N 189535 Replaced Hoses & Air filter - Q E Rust AEP 2631919 IA
03-10-2020	4106.2			oil & filter change Q E Rust 2631919 IA
03-26-2020	4121.9			Replace RH Mag w/ F13CA1AOR/500 service 16 March 2020 Q E Rust AEP 2631919
06-08-20	4149.5			oil & filter change Q E Rust AEP 2631919
04-03-2021	4181.9 TSMOH 573.8			Comp 1=70 2=70 3=78 4=68 5=62 6=62 Lapped #5 cyl & st. valve replaced rotator & keepers Changed oil & filter
I CERTIFY THAT THIS Powerplant HAS BEEN INSPECTED IN ACCORDANCE WITH Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION				
				Q E Rust AEP 2631919 IA
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11-14-21		600.2	4210.3	change oil & filter Q E Rust AEP 2631919
03-30-2022		601.8	4211.5	comp check 1=64 2=65 3=70 4=55 5=65 6=46 checked timing 22° BTDC  I CERTIFY THAT THIS Powerplant HAS BEEN INSPECTED IN ACCORDANCE WITH Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. Q E Rust AEP 2631919 IA
05-10-22		4222.6		Remove cylinders install new Superior kits Gaskets Rings Pistons SA52006-A23P SN#s 526000009709 5260000011285 526000011409 526000011412 526000011418 526000011424 New Tempest plugs 4 RH B32E Tempest Filter Phillip XC20-50 mineral oil Replaced fuel line to carburetor from Pump Replaced exhaust and Intake Hardware check valve last 507-200 Run up & check for leaks test flew 55 min
				Q E Rust AEP
7-20-22		37.8		oil & filter change Q E Rust AEP owner
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**Barrett Precision Engines Inc**

2870-B N. Sheridan Rd.  
Tulsa, OK 74115  
(918) 835-1089 phone (918) 835-1754 fax  
FAA CRS Q8RR231Y

Work Order: 11709  
Acct Number: BBUTT

Sold To: Bob Butt  
147 Citation  
Cresson, TX 76035

Ship To: Bob Butt  
147 Citation  
Cresson, TX 76035

**Work Scope:**

**Work Scope:**

IO-520-BH, s/n 12068-5-B  
IRAN repair #1 cylinder, change cooler stud

**Action Taken:**

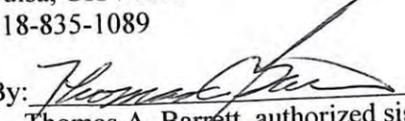
Engine disassembled, inspected, repaired and tested.  
Repaired for Time to Continue

Charges This Item:

Part Number	Description	Credit	Quantity	Units
642083-A12	Starter Adapter Unit		1.00	Each
SA5000-SC5 P005	Ring, +005		1.00	Each
SA646288	Thrust Washer		4.00	Each
NAS1805-4	Nut, Transfer Collar		2.00	Each
630899AC	Bearing, Roller		1.00	Each
534625	Felt		1.00	Each
SA638125	Stud		1.00	Each
632443-4	Nut		1.00	Each
AN315-6	Nut		4.00	Each
SA642917-1	Intake Hose		8.00	Each
653470	Gasket		1.00	Each
SA646550-A1	Gasket Set		1.00	Each
SA638172	Mag Cushion		4.00	Each
MS9970-116	O-Ring		1.00	Each
MS9970-117	O'Ring		1.00	Each
642892	Gasket		1.00	Each
SA641250	Nose Seal		1.00	Each
630979-20	O'Ring		1.00	Each
654587-.44	Cam Gear Bolt		4.00	Each
655958	Conn Rod Bolt		12.00	Each
654490	Connecting Rod Nut		12.00	Each
539023	Hose		1.00	Each
SA641909	Tab Lock Plate		2.00	Each
SA649205	Alt. Face Gear Screw		4.00	Each
SA643629	Ct' Wt Washer		16.00	Each
SA629104	Ct'wt Retaining Ring		16.00	Each
SA642720 M10	Bearing		4.00	Each
SA642398 STD	Conn Rod Bearing		12.00	Each
SA534857-S	R/B Cover Gasket		6.00	Each
SA630899	Bearing		1.00	Each
SA634503 M10	Bearing, Mian		6.00	Each

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25 July 2015	4459.7			change oil & filter AA48109 KC20W-50 ② SC Butt AEP 2631919
5 Feb 2016	4486.2			change oil & filter KC20W-50 AA48109 ② SC Butt AEP 2631919
25 Aug 2016	4542.4			change oil & filter ② SC Butt AEP 2631919
	TSMOH 286.4		comp 1=642=75 3=804=74 5=746=77	check timing check fuel flows
I CERTIFY THAT THIS Powerplant HAS BEEN INSPECTED IN ACCORDANCE WITH Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. ② SC Butt AEP 2631919 IA				
Mar 11, 2017	4562.4			oil & filter change Re Butt AEP 2631919
12 Sept 2017	4592.4			oil & filter change - comp check check timing 2 ± 0.1 1=65 2=74 3=79 4=74 5=75 6=76
I CERTIFY THAT THIS Powerplant HAS BEEN INSPECTED IN ACCORDANCE WITH Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. ② SC Butt AEP 2631919 IA				
5 Sep 2018				Reset E-Gap REL mags change oil & filter Replaced Vacuum pump ② SC Butt AEP 2631919
21/09/2019		Tach 3941.6		
	TSMOH 411.3			I CERTIFY THAT THIS Powerplant HAS BEEN INSPECTED IN ACCORDANCE WITH Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. ② JPI
19 Mar 19	3941.6			oil & filter change ② SC Butt AEP 2631919
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			Tach	<b>TOTALS</b> brought forward from previous page
1 May 2013	17 hrs	4274.1		Install test & run engine @ Barrett AEP 2631919
06 June 2013		4806.7		oil & filter change @ Barrett AEP 2631919
30 Aug 2013		4834.0		oil filter change @ Barrett AEP 2631919
20 Aug 2013		4863.6		oil filter change @ Barrett AEP 2631919
4-4-14				Comp check 1=70 2=78 3=75 4=75 5=78 6=75 set E-gap timed mags - clean test rotate gap plugs I CERTIFY THAT THIS <del>powerplant</del> <u>powerplant</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. @ Barrett AEP 2631919 IA
4 Aug 2014				Engine removed for IRAN
Tach 4401.0				see next two pages for work performed and parts installed @ Barrett AEP 2631919
20 Nov 2014				cleaned engine compartment installed engine test flow @ Barrett AEP 2631919
17 Mar 2015				REIR RSL Mags set E GAP TIME to Mag 22°
TACH 4417.15				Balance Prop 0.041PS @ 82° with 7.81g @ 260° 9.6g @ 200° Change Oil & Filter XC20W-50 # AA 48109 @ Barrett AEP 2631919
01 July 2015				comp check 1-72, 2-73, 3-73, 4-72, 5-77, 6-75
Tach 4440.7				Replace #3 exh clamp, replace breather clamps
TT 184.7				clean and gap plugs
				I CERTIFY THAT THIS <u>powerplant</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. @ Barrett AEP 2631919 IA
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DATE	WORK
	Log Book Entry Engine Model: IO-550B Serial Number: 12068-5-B
	Date: 11/13/14 W.O. 11709
	TSN: Unk TSO: TC
	This engine disassembled, inspected and reassembled IAW TCM OHM X30568-A and P/C X30569A. See parts list 11709 for parts used.
	Sublet Vendor A/C Acc Repair Station RV3R829L Component starter drive
	SB, MSB Compliance SB003 counterweight install SB96-7 torque value
	Cylinder #1 repaired for leaking intake. No other work accomplished at this time
	Engine tested after assembly. See test cell report dated 11/13/14.
	This engine has been inspected and repaired IAW Federal Aviation Regulations and is approved for return to service, Time Since New to Continue.
	Faa-form 81-30-3 issued.
	Details of this repair are on file at this facility under W.O. 11709
	For information about this engine contact: Barrett Precision Engines, Inc. 2870- B North Sheridan Rd Tulsa, OK 74115 918-835-1089
	By:  Thomas A. Barrett, authorized signature FAA-Q8RR231Y
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# POWERMASTER AIRCRAFT ENGINES

9027 S. Airport Way  
Jones/Riverside Airport  
Tulsa OK 74132  
918-299-0269  
FAA CRS # P46R287Y

## Engine Overhaul Record

**Engine Make:** Continental                      **Model:** IO-520BA/STC/IO-550B-AP  
**Serial Number:** 120628-5-B                      **PAE Work Order #** 12-1023  
**Date of Overhaul:** 10-23-2012                      **Total Time:** 1700.00 TSMOH-"0"

This entry certifies that this engine has been overhauled to manufacturers new part tolerances. This engine was disassembled, cleaned, inspected, overhauled and tested in accordance with TCM manual # X30568A. New parts count exceeds that set forth in TCM Service Bulletin 97-6, Mandatory Replacement Parts. All AD's and TCM mandatory service bulletins have been complied with.

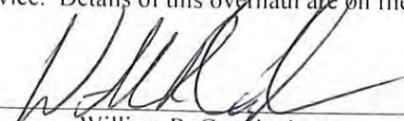
The following accessories were overhauled and installed on this engine at the time of overhaul:

Component	Part Number	Serial Number
LH Magneto:	10-349350-4	F051A216R
RH Magneto:	10-349350-5	F051A274R
Fuel Injection System	649053A1-9	
Fuel Pump:	646766-4	H139913BR
Fuel Controller:	649468-2	A289810AR
Manifold Valve:	646508-14A2P	A289810CR
Oil Cooler:	8000960	2083504 (New)
Starter:	646238-2	H-M070842

Crankcase certified by Divco Inc on WO# WDC-107138.  
 Internal Steel certified by Aircraft Specialties on WO# 214455.  
 Crankshaft certified by AEA on WO# 153248.  
 Hydraulic lifter PN's. 6 each 628488 and 6 each 646277 installed.

Engine converted from IO-520BA to IO-550B per STC SE02881AT. See 337 for this alteration.  
 Gamijectors installed per STC SE09217SC, Kit PN-GAD13AA, SN-22230.

The engine and accessories identified above were inspected and overhauled in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Details of this overhaul are on file at this repair station under Work Order # 12-1023

Signature   
 William R. Cunningham  
 FAA CRS #P46R287Y

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25 Nov 2012		0	TACH 4256	Install in N4660D Test & check ok for flight in accordance with O'Shannon Products STC #SA2200SW
				03 Built A&P 2631919 IA
12 Dec 12	Tach 4268.3			Prop balance, oil change
				03 Built A&P 2631919 IA
5 Jan 2013	4274.1			Remove engine for prop strike inspection

2-5-2013  
 Powermaster Work Order 13-0412  
 Engine- IO-520BA-IO-550B-AP  
 SN-120628-5-B  
 Total Time \_\_\_\_\_  
 Tach Time \_\_\_\_\_  
 TSMOH \_\_\_\_\_

Dis  
 Re

Disassembled engine for prop strike inspection.  
 All components inspected.  
 Crankcase inspected and repaired by Divco on WO# WDC-109129.  
 All internal steel parts inspected by Aircraft Specialties on WO# 217383.  
 Assembled engine using new main and rod bearings, new rod bolts and nuts. All seals and gaskets replaced.  
 Installed Drake Air Nu-Matrix oil cooler. PN-635996, SN-886.  
 All work performed in accordance with TCM Overhaul Manual X30568A.  
 Overhauled Accessories:  
 Left Magneto- BL349350-4, SN-F13CA188R.  
 Right Magneto- BL349350-5, SN-F13AA287R.  
 Prop Governor- D210680, SN-1756323AF.  
 Alternator- ALX-9524, SN-H-n020403.  
 Vacuum Pump- 216CW, SN-020E01.

Mounted engine on test stand, service with 10 QTS Phillips 20W50, installed 48108 filter.  
 Test ran, adjusted oil pressure and fuel pressure per TCM SID 97-3.  
 Drained oil, removed filter, cut and examined for contaminates, none found, installed new oil filter and saftied.  
 Prepared for shipment.

  
 William R. Cunningham  
 Powermaster Aircraft Engines  
 FAA CRS P46R287Y  
 9027 S. Airport Way  
 Tulsa OK 74132

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# ENGINE MAINTENANCE RECORDS

Log No. \_\_\_\_\_

Aircraft Registration No. N4660D

Engine Manufacturer \_\_\_\_\_

Model \_\_\_\_\_

Serial No. \_\_\_\_\_

Date installed on aircraft 25 NOV 2012

Time Between Overhauls (TBO) \_\_\_\_\_ Hours

If used on multi-engine aircraft:

- Right       Left
- Front       Rear

(All applicable information must be filled in)



## **AEROTECH PUBLICATIONS INC.**

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