

LEFT #2

ANOTHER QUALITY OVERHAUL
BY



OF
MIAMI, FLORIDA



The Standard

ENGINE LOG

ASA-SE-2

YEAR 20 <u>16</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

This Continental engine, model TSIO-360 RB(1), s/n 322422, was Overhauled by Certified Engines Unlimited, Inc., of Opa Locka, Florida according to factory recommended procedures, specifications, limits & pertinent Federal Aviation Regulations. All internal steel parts were magna-fluxed by Palm Beach Propeller, Inc. CRS#LU4R349M, & all non-ferrous materials were checked for cracks. Guidelines from the Continental Overhaul Manual #X30596AS1 were followed at time of overhaul.

Installed Magnetos, OHC by Quality A/C Access, CRS # 9QFR310C. Installed Starter & Alternator, OHC by T&W Elect Serv, CRS # TVER117K. Installed Fuel Injection System (less Servo), OHC by Consolidated Fuel Sys, CRS # 9KPR369B. Installed Fuel Servo, OHC by Precision Airmotive, CRS # P32R748N. Installed Oil Cooler & Intercooler, OHC by Skyline Access, CRS # Y5KR213B. Supplied Turbocharger, PRV, Waste Gate, & Controller, OHC by Approved Turbo Components, CRS#U5AR184Y. All the tags received from the accessory suppliers are located at the rear of this logbook. Crankshaft s/n N02EFA825, was ultrasonic inspected per MSB 96-10A, AD 97-26-17, & CSB96-8, by Palm Beach A/C Prop, CRS # LU4R349M. Installed Camshaft, reground by A/C Specialties, CRS # DD2R764K. Six factory NEW Balance Pack Cyl Assys, new Ignition Harness and new Spark Plugs were installed.

Certified Engines Unlimited Inc. * Opa Locka, Fla USA FAA CRS#KG4R309M
Inv/WO#64201/47000 ** 07 June 2016

Authorized Signature
Frank Neves, Jr.

YEAR
2016
DATE

All recommended parts listed in the Continental Overhaul Manual & Service Bulletin SB#97-6 were installed at time of this overhaul..(see list below):*FAA-PMA Parts are frequently substituted for Teledyne Continental Motors.

2	643626-110	PIN-CRANKSHAFT C/W	1	SA646543-A1	GASKET SET
2	643626-111	PIN-CRANKSHAFT C/W	10	654439-16	INTAKE HOSE
8	653143	PLATE-RETAINER PIN CWT	1	654439-15	HOSE, INTAKE
8	AEC629004	RING, RETAINING	1	642917-2	INTAKE HOSE
1	SA646597-A1	BEARING SET	1	642917-6	INTAKE HOSE
12	SA642338	CONN ROD BEARING	1	646416	BUMPER-RUBBER
4	654584	BOLT-.3125-24UNF3A X 1.00	1	SA530917	CRANKSHAFT SEAL
4	654586	SCREW-.3125-24 X .36 HEX	4	SA639560	CRANKSHAFT BLADE BUSHING
6	SA538664	CONN ROD BUSHING	8	SA639196	COUNTERWEIGHT BUSHING
12	655959	BOLT-CONN ROD	1	CAM643109	CLUTCH SPRING
12	654487	NUT-CONNECTING ROD	12	656703	ROCKER SHAFT
12	SA633106	LIFTER	1	641533	SEAL-TACH DRIVE
6	629690	PIN & PLUG ASM-PISTON	3	MS35756-8	KEY WOODRUFF
2	636931	NUT-LOCK SELF	1	MS35756-8	KEY - WOODRUFF
12	SA22022	EXHAUST NUT	1	MS35756-3	KEY WOODRUFF
1	627458	SPRING OIL PRES REL	4	655269	BUSHING-MAG DRIVE COUP
4	36025	TAB WASHER	24	631986	RETAINER-R/ARM THRUST
25	SA501867	WASHER	1	AA9144	PROP GOVERNOR GASKET
1	10-821604-3	IGN. HARNESS-GOLD SEAL	6	SA632246	SLEEVE
12	RHM38E	SPARK PLUG	6	SA633958-3	SEAL
1	CH48108-1	OIL FILTER	4	SA633958-5	SEAL
1	641368	BEARING NEEDLE	1	24770	C/S PLUG
1	502287-3	RING-RETAINING-INT	2	SA632050	BUSHING
1	X13041	BEARING-BALL	1	642121-1RH	CONNECTOR-TACH DR
1	630680	BEARING-ROLLER	1	631928	HOSE
			24	SA627693	ROCKER ARM BUSHING
			2	6324	MAGNETO, OHC
			1	656601A2EF	CYL ASSYS(6) BALANCED PACK

After final assembly, this engine was run-in for a period of three hours with all temperatures, pressures & performances within those limits as prescribed by the factory. Oil filter checked clean.

Airworthiness directives were complied with during this overhaul and are listed at the rear of this logbook. This engine is acceptable for return to normal service.

**Certified Engines Unlimited Inc. * Opa Locka, Fla USA FAA CRS#KG4R309M
Inv/WO#64201/47000 ** 07 June 2016**

**Authorized Signature
Frank Neves, Jr.**

YEAR

20

DATE

ENGINE MODEL:
TSIO-360-RB1B
ENGINE S/N (L): 322422
REG. NO: 220TG
WORK ORDER:
7107-04-2016



Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 6/30/2016
A/C TSN: 1675.3
ENG TT (L): 1675.3
TSMOH (L): 0.1
HOBS: 1675.3

Left Engine Entries

(6) INSTALLED OVERHALLED LEFT ENG P/N TSIO-360-RB1B, S/N 322422. REPLACED ENG MOUNT ISOLATORS AND TORQUED. RIGGED ENG CABLE CONTROLS. SECURED HARNESSSES, HOSES AND LINES. SERVICED ENG WITH 8 QTS OF AEROSHELL 100 MINERAL OIL. WORK PERFORMED IAW PA34-220T MM CH 71-00 AND 91-10.... (9) CW/ANNUAL INSPECTION ON THIS LEFT ENGINE IAW FAR 43 APPENDIX D USING PA34-220T M/M CHAPTER 5 INSPECTION CHECKLIST AS A GUIDE. ENGINE WAS GROUND RUN AND LEAK CHECKED OK. WORK DONE IAW TCM TSIO-360-RB1B MM. ADS CHECKED THROUGH CURRENT ON ATP.

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 6/30/2016

SIGNED:

Emmanuel Vicioso, IA: 3708718

Work Order: 7107-04-2016

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ENGINE MODEL:
TSIO-360-RB1B
ENGINE S/N (L): 322422
REG. NO: 220TG
WORK ORDER:
7107-04-2016



Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 7/11/2016
A/C TSN: 1678.5
ENG TT (L): 1678.5
TSMOH (L): 3.3
HOBS: 1678.5

Left Engine Entries

(51) ADJUSTED LH ENG OIL PRESS RELIEF VALVE TO INCREASE IAW TCM TSIO-360-RB M/M CH 23-2.... (53) ADJUSTED LH ENG IDLE MIXTURE AND IDLE SPEED IAW TCM TSIO-360-RB M/M CH 23-2.... (57) REMOVED AND CLEANED CYL #1 FUEL INJECTOR AND SPARK PLUGS. RE INSTALLED AND TORQUED IAW TSIO-360-RB MM, TORQUE TABLE.

DATE: 7/11/2016

SIGNED:

Juan Valencia, A&P: 3804317

Work Order: 7107-04-2016

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ENGINE MODEL:
TSIO-360-RB1B
ENGINE S/N (L): 322422
REG. NO. 220TG
WORK ORDER:
7204-07-2016



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2383

DATE: 7/13/2016
A/C TSN: 1679.8
ENG TT (L): 1679.8
TSMOH (L): 4.6
HOBBS: 1679.8

Left Engine Entries

(2) ADJUSTED LEFT ENG MANIFOLD PRESSURE TO INCREASE IAW PA34-220T MM CH 76-10.

DATE: 7/13/2016

SIGNED:

Juan Valencia, A&P: 380494.7

Work Order: 7204-07-2016

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ENGINE MODEL:
TSIO-360-RB1B
ENGINE S/N (L): 322422
REG. NO. 220TG
WORK ORDER:
7477-02-2017



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2383

DATE: 2/20/2017
A/C TSN: 1696.8
ENG TT (L): 1696.8
TSMOH (L): 21.6
HOBBS: 1696.8

Left Engine Entries

(2) RIGGED THE LH PROP CONTROLS IAW PW34-220T M/M 61-20-00. ADJUSTED THE LH IDLE AND MIXTURES IAW 76-10-00. C/W GND RUN UP WITH NO DEFECTS NOTED.
(3) REMOVED, CLEANED, TESTED AND RE-INSTALLED THE SPARK PLUGS FOR LH #5 CYL. REMOVED, CLEANED AND RE-INSTALLED THE FUEL INJECTOR. WORK IAW TCM TSIO 360 RB M/M. C/W GND RUN-UP WITH NO DEFECTS NOTED.

DATE: 2/20/2017

SIGNED:

Michael Arthur, A&P: 3543829

Work Order: 7477-02-2017

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ENGINE MODEL:
TSIO-360-RB1B
ENGINE S/N (L): 322422
REG. NO: 220TG
WORK ORDER:
7485-02-2017



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33308
Phone: (954) 334-2393

DATE: 2/23/2017
A/C TSN: 1701.5
ENG TT (L): 1701.5
TSMOH (L): 26.3
HOBBS: 1701.5

Left Engine Entries

(2) ADJUSTED LEFT PROP GOV TO DECREASE FULL POWER RPM AND BE WITH IN SPECS IAW PA34-220T M/M CH 61-20-00. GROUND RUN UP CHECKED GOOD.

DATE: 2/23/2017

SIGNED:

Work Order: 7485-02-2017

Michael Arthur, A&P: 3543829

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ENGINE MODEL: TSIO-360 SER
ENGINE S/N (L): 322422
REG. NO: N220TG
WORK ORDER: 7789-10-2016



Naples, Dba:

DATE: 10/27/2016
A/C TSN: 1687.3
ENG TT (L): 1687.3
TSMOH (L): 12
HOBBS: 1687.3

Left Engine Entries

Removed upper, lower cowlings, and nose bowls. Removed all spark plugs. cleaned, inspected, tested, and reinstalled and torqued spark plugs. Performed engine ground run. Mag's checked good. Reinstalled nose cowl, upper and lower cowlings. Cowlings were removed in anticipating engine re-rigging. Engines only have 12hrs since install. Premier Aircraft requests that the aircraft be brought to them for the warranty work.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 10/27/2016

SIGNED:

Work Order: 7789-10-2016

Simon Crawford, A&P: 3277003

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ENGINE MODEL:
TSIO-360-RB1B
ENGINE S/N (L): 322422
REG. NO: 220TG
WORK ORDER:
7620-06-2017



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 7/19/2017
A/C TSN: 1726.8
ENG TT (L): 1726.8
TSMOH (L): 51.6
HOBBS: 1726.8

Left Engine Entries

(4) C/W ANNUAL INSPECTION ON THIS LEFT ENGINE IAW 14 CFR PART 43, APPENDIX "D" USING PA32-220T MM INSPECTION GUIDE. CHANGED ENGINE OIL AND FILTER. SERVICED ENGINE WITH 7 QTS PHILLIPS X/C OIL AND A NEW CH48108-1 FILTER. OLD FILTER AND OIL SUMP SCREEN WERE CHECKED FOR CONTAMINATION. NONE FOUND. CHECKED MAG TO ENGINE TIMING. CLEANED, REGAPPED, AND CHECKED SPARK PLUGS. PERFORMED COMPRESSION CHECK: 69-72-71-74-71-73/80. WORK PERFORMED IAW TCM TSIO-360-RB M/M. ENGINE WAS GROUND RUN AND LEAK CHECKED OK. ADS CHECKED THROUGH CURRENT ON ATP.

(26) ADJUSTED LEFT ENG MAP CONTROLLER TO DECREASE AND BE WITHIN SPECS IAW PA34-220T MM CH 81-20-00. ENG GROUND RUN UP CHECKED GOOD.

(32) RE TENSIONED LEFT ENG ALTERNATOR BELT IAW PA-34-220T MM CH 24-30-00.

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 7/19/2017

SIGNED:

Emmanuel Vicoso, IA: 3708718

Work Order: 7620-06-2017

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ENGINE MODEL:
TSIO-360-RB1B
ENGINE S/N (L): 322422
REG. NO: 220TG
WORK ORDER:
7620-06-2017



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 7/21/2017
A/C TSN: 1727.5
ENG TT (L): 1727.5
TSMOH (L): 52.3
HOBBS: 1727.5

Left Engine Entries

(70) ADJUSTED LEFT ENG TAKE-OFF MANIFOLD PRESSURE IAW PA34-220T CH 76-10-00. RAN ENGINE WITH NO DEFECTS NOTED AT THIS TIME.

DATE: 7/21/2017

SIGNED:

Barry Lane, A&P: 3556870

Work Order: 7620-06-2017

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SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of



Switlik Aviation Maintenance, Inc.

Page Field Airport (FMY)

207 Danley Drive

Fort Myers, Florida 33907

239-936-3666

www.switlikaviation.com

Reg. No.	Airframe s/n	Date	Engine S/N	Hobbs	T.T.	S.M.OH.	Cycles
N220GT	17266688	6/8/2018	322422	1748.5			

TSIO-360RB TT 1748.5 SMOH 73.2

Installed overhauled Fuel Pump, p/n 654351-4A1, new s/n B03IA327. Ground run and set fuel pressures and manifold pressures per SID97-3G and Piper PA34-220T maintenance manual. All engine parameters and operations are normal. I have inspected this repair and found it to be in airworthy condition.

Edward Switlik
A&P2197076

N220TG

LH ENGINE

HOBBS 1754.9

TTE 1754.9

SMOH 79.7

9/1/18

CHANGED OIL AND FILTER. ADDED 8 QUARTS AEROSHELL 15W50. COMPRESSION CHECK 1/73, 2/70, 3/75, 4/75, 5/70, 6/70, ALL OVER 80. INSPECTED FUEL SCREENS. CLEAN AND GAPPED PLUGS. CHECKED TIMING OK. ENGINE RUN, OPS AND LEAK CHECK OK. ALL AD'S CHECKED TO DATE. THIS ENGINE WAS INSPECTED I/A/W AN ANNUAL AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

IAN H. MCBRIDE

A&P 3192058IA

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ENGINE MODEL:
TSIO-360-RB1B
ENGINE S/N (L): 322422
REG. NO: 220TG
WORK ORDER:
8543-08-2019



Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 9/6/2019
A/C TSN: 1790
ENG TT (L): 1790
TSMOH (L): 114.8
HOBBS: 1790

Left Engine Entries

- (9) ADJUSTED LEFT ENG MANIFOLD PRESSURE TO BE WITHIN SPECS IAW CONTINENTAL TSIO-360-RB M.M. CH 23-6.
(10) ADJUSTED LEFT ENG THROTTLE CONTROL CABLE I.A.W. PA34-220T M.M. CH 76-10-00.

DATE: 9/6/2019

SIGNED:

Ezequiel Morales, A&P: 3845964

Work Order: 8543-08-2019

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ENGINE MODEL:
TSIO-360-RB1B
ENGINE S/N (L): 322422
REG. NO: 220TG
WORK ORDER:
8597-09-2019



Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 10/22/2019
A/C TSN: 1796.7
ENG TT (L): 1796.7
TSMOH (L): 121.5
HOBBS: 1796.7

Left Engine Entries

- (3) C/W ANNUAL INSPECTION ON THIS LEFT ENGINE IAW 14 CFR PART 43, APPENDIX "D" USING PA34-220T MM INSPECTION CHECKLIST AS A GUIDE. CHANGED ENGINE OIL AND FILTER. SERVICED ENGINE WITH 8 OTS AEROSHELL 15W50 OIL AND A NEW CH48108-1 FILTER. OLD FILTER AND OIL SUMP SCREEN WERE CHECKED FOR CONTAMINATION. NONE FOUND. CHECKED MAG TO ENGINE TIMING. CLEANED, REGAPPED, AND CHECKED SPARK PLUGS. PERFORMED COMPRESSION CHECK: 70-70-76-72-72-65/80. WORK PERFORMED IAW PA34-220T M.M. ENGINE WAS GROUND RUN AND LEAK CHECKED OK. ADS CHECKED THROUGH CURRENT ON ATP.
(20) TIGHTENED LH ENGINE CYLINDER #2 OIL COOLER SHOE HARDWARE AS REQUIRED.
(24) ADJUSTED LH ENG MAGS TIMING IAW PA34-220T MM CH 74-10-00.
(53) PERFORMED LH ENG FUEL SET-UP IAW PA34-220T MM CH 76-00-00.

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 10/22/2019

SIGNED:

Emmanuel Vicioso, IA: 3708718

Work Order: 8597-09-2019

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Description of Inspections, Tests, Repairs and Alterations

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Southern Pride Aviation

10/1/2020 TSIO360-RBIB 322422 Hobbs: 1821.3 Performed a 100hr inspection IAW Continental MM. Drained and serviced engine with 8qts Aeroshell 15W50. Removed and installed new oil filter Tempest AA108-2 and safetied. Removed, cleaned, tested and gapped all spark plugs. Rotated and reinstalled plugs. Compressions as follows: #1. 68/80 #2. 68/80 #3. 75/80 #4. 70/80 #5. 68/80 #6. 68/80. Removed, cleaned and reinstalled fuel injectors. Checked mag timing. Lubed engine controls. I certify that this engine has been inspected and has been found to be in an airworthy condition.-END

Ken A. Boynton A&P 264519426

Ken A. Boynton

10/1/2020

I certify that this engine has
been inspected IAW an annual
inspection and found to be in
on airworthy condition. AD's checked
thru this date 10/1/2020. Bi-
weekly # 2020 - 20

I.A. # 3122678 Roy S. Plackis

Roy S Plackis

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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ENGINE MODEL: **Bartelt Aviation, Inc.**
TSIO-360-RB(1)
ENGINE S/N (L): 322422
REG. NO: N220TG
WORK ORDER:
BA-00712-11-2020

DATE: 12/8/2020
A/C TSN: 1836.8
ENG TT (L): 1836.8
TSMOH (L): 161.3
HOBBS: 1836.8

1301 West Lafayette Street
Sturgis, MI 49091
Phone: 269-651-5431

Left Engine Entries

Installed Tanis Aircraft Pre-Heat Kit P/N TSP6CYL-2927-115. STC#SE03309CH. See Form 337 for details....
Installed Factory Winterization Plates.

Maintenance Release

The aircraft and/or component(s) on N220TG 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 the repair are on file under Work Order No. BA-00712-11-2020, Dated 12/8/2020.

DATE: 12/8/2020

SIGNED: 

Work Order: BA-00712-11-2020

Larry E. Russell, IA: 3531609

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A/C	N220TG	Date:	3-23-21	SO #	20-3194
L-Eng		Tach:	1854.7		
1) Drained engine oil, cut open filter for inspection, no defects noted. Installed new filter and Serviced with Aeroshell 15-50 Run and Leak check satisfactory 2) Removed winterization plate					
THE WORK IDENTIFIED ABOVE WAS PERFORMED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND WAS FOUND TO BE AIRWORTHY FOR RETURN TO SERVICE.					
Signature:		Michael J Tarr 		AP3654533	

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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ENGINE MODEL:
TSIO-360-RB(1)
ENGINE S/N (L): 322422
REG. NO: N220TG
WORK ORDER:
BA-00770-10-2021

Bartelt Aviation, Inc.
1301 West Lafayette Street
Sturgis, MI 49091
Phone: 269-651-5431

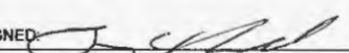
DATE: 11/18/2021
A/C TSN: 1895.2
ENG TT (L): 1895.2
TSMOH (L): 219.7
HOBBS: 1895.2

Left Engine Entries

C/W 100hr Inspection Items per guidelines of PA34-220T Inspection Report. Changed Oil and Filter.
Inspected Filter for contamination. Non noted. Installed new CH48108-1 Filter. Added 8 qts Aeroshell 15w50.
C/W 100hr Fuel Servo Inlet Screen Inspection and Cleaning. C/W 100hr Exhaust/Turbocharger Inspection.
C/W 100hr Torque of V-Band Clamps. Applied Mouse Milk to Wastegate Valve. Torqued Intake Hardware and Clamps. C/W 100hr Magneto to Engine Timing Inspection. Lubricated Engine Control Rod Ends.
Inspected Engine Baffle Seals. Inspected Condition of Alternator and Starter. Inspected Condition of Alternator Drive Belt. C/W 100hr Cleaning, Inspection, Gapping, Testing of all Spark Plugs. Reinstalled Plugs with new M674 Gaskets. Compression Test #1 74 #2 78 #3 78 #4 77 #5 78 #6 78 #80psi. (MO 45).

Performed ground runs. Operational check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL / 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

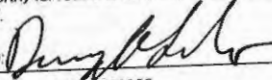
DATE: 11/18/2021

SIGNED: 

Work Order: BA-00770-10-2021

Larry E. Russell, IA: 3531609

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YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				ENGINE MODEL: Bartelt Aviation, Inc. TSIO-360-RB(1) ENGINE S/N (L): 322422 REG. NO: N220TG WORK ORDER: BA-00839-07-2022 1301 West Lafayette Street Sturgis, MI 49091 Phone: 269-851-5431 DATE: 7/14/2022 A/C TSN: 1928.1 ENG TT (L): 1928.1 TSMOH (L): 252.8 HOBBS: 1928.1 Left Engine Entries Drained oil. Removed old filter, disassembled and inspected. Installed new Champion Oil filter PN CH48108-1. Serviced with 8 quarts of AS15W50 oil. Perform engine ground runs. No leaks noted. Maintenance Release The aircraft and/or component(s) on N220TG 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 the repair are on file under Work Order No. BA-00839-07-2022, Dated 7/14/2022. DATE: 7/14/2022 SIGNED:  Devvyn Fader, A&P: 4226320 Work Order: BA-00839-07-2022 Printed by EBis 3 (datcomedia.com)

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				ENGINE MODEL: TSIO-360-RB(1) ENGINE S/N (L): 322422 REG. NO: N220TG WORK ORDER: BA-00888-02-2023 Bartelt Aviation, Inc. 1301 West Lafayette Street Sturges, MI 49081 Phone: 268-851-5431 DATE: 8/28/2023 A/C TSN: 1943.2 ENG TT (L): 1843.2 TSMOH (L): 267.7 HOBS: 1843.2 Left Engine Entries C/W 100hr Inspection Items per guidelines of PA34-220T Inspection Report. Changed Oil and Filter. Inspected Filter for contamination. Non noted. Installed new CH48108-1 Filter. Added 8 qts Aeroshell 15w50. C/W 100hr Fuel Servo Inlet Screen Inspection and Cleaning. C/W 100hr Exhaust/Turbocharger Inspection. Applied Mouse Milk to Wastegate Valve. Torqued Intake Hardware and Clamps. C/W 100hr Magneto to Engine Timing Inspection. Lubricated Engine Control Rod Ends. Inspected Engine Baffle Seals. Inspected Condition of Alternator and Starter. Installed new P/N 640517-1 Alternator Drive Belt. C/W 100hr Cleaning, Inspection, Gapping, Testing of all Spark Plugs. Reinstalled Plugs with new M674 Gaskets. Compression Test #1 78 #2 76 #3 77 #4 78 #5 78 #6 77 /80psi. (MO 45). C/W AD 2023-09-09 V-Band Coupling Inspection IAW Par(k)1 thru 7. Next inspection due every 6 months or 100hrs per (ii)(2). Note: V-Band Coupling replacement due no later than July 2025 per AD AMOC (ii)(2). Removed and reinstalled Fuel Servo Part No. 2576540-7. Serial No. 72GB3803 after repairs by D&G Supply See Form 8130-3 Dated 8/21/23, W.O.#44794. Removed and reinstalled Fuel Pump Part No.654351-4A1, Serial No.B03IA327 after overhaul by D&G Supply, See Form 8130-3 Dated 8/21/23, W.O.#44794. Performed ground run Engine Setup Procedures per MM Chapter 76-10-00. Performed ground runs. Operational check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL / 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DATE: 8/28/2023 SIGNED:  Work Order: BA-00888-02-2023 Larry E. Russell, IA: 3531609 Printed by EBIS 3 (datcomedia.com) 1 of 1

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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ENGINE MODEL:
TSIO-360-RB(1)
ENGINE S/N (L): 322422
REG. NO: N220TG
WORK ORDER:
BA-00968-02-2024

Bartelt Aviation, Inc.
1301 West Lafayette Street
Sturgis, MI 49091
Phone: 269-651-5431

DATE: 2/20/2024
A/C TSN: 1981.6
ENG TT (L): 1981.6
TSMOH (L): 306.1
HOBBS: 1981.6

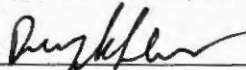
Left Engine Entries

Drained oil and removed filter from Right Engine. Cut open old filter and checked for contamination. Installed a new Champion filter, p/n CH48108-1 and gasket p/n MS35769-11, Serviced 8 quarts of AS 15W50 oil. Performed ground runs / leak check.

Maintenance Release

The aircraft and/or component(s) on N220TG 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 the repair are on file under Work Order No. BA-00968-02-2024, Dated 2/20/2024.

DATE: 2/20/2024

SIGNED: 

Work Order: BA-00968-02-2024

Devywn Feder, IA: 4226320

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1 of 1

YEAR 20 DATE	ENGINE MODEL: TSIO-360-RB(1) ENGINE S/N (L): 322422 REG. NO: N220TG WORK ORDER: BA-00992-06-2024	Bartelt Aviation, Inc. 1301 West Lafayette Street Sturgis, MI 49091 Phone: 269-651-5431	DATE: 7/9/2024 A/C TSN: 2003.9 ENG TT (L): 2003.9 TSMOH (L): 328.4 HOBBS: 2003.9	rs and Alterations Certificate Number of other specific entries.)
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Left Engine Entries

Drained oil and removed filter from Left Engine. Cut open old filter and checked for contamination. Installed a new Champion filter, p/n CH48108-1 and gasket p/n MS35769-11, Serviced 8 quarts of AS 15W50 oil. Performed ground runs / leak check.

Maintenance Release

The aircraft and/or component(s) on N220TG 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 the repair are on file under Work Order No. BA-00992-06-2024, Dated 7/9/2024.

DATE: 7/9/2024

SIGNED: 

Work Order: BA-00992-06-2024

Larry E. Russell, IA: 3531609

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1 of 1

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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ENGINE MODEL:
TSIO-360-RB(1)
ENGINE S/N (L): 322422
REG. NO: N220TG
WORK ORDER:
BA-01018-09-2024

Bartelt Aviation, Inc.

1301 West Lafayette Street
Sturgis, MI 49091
Phone: 269-651-5431

DATE: 10/10/2024
A/C TSN: 2006.6
ENG TT (L): 2006.6
TSMOH (L): 331.1
HOBS: 2006.6

Left Engine Entries

C/W 100hr Inspection Items per guidelines of PA34-220T Inspection Report. C/W 100hr Fuel Servo Inlet Screen Inspection and Cleaning. C/W 100hr Exhaust/Turbocharger Inspection. Torqued Intake Hardware and Clamps. C/W 100hr Magneto to Engine Timing Inspection. Lubricated Engine Control Rod Ends. Inspected Engine Baffle Seals. Inspected Condition of Alternator and Starter. C/W 100hr Cleaning, Inspection, Gapping, Testing of all Spark Plugs. Reinstalled Plugs with new M674 Gaskets. Compression Test #1 73 #2 72 #3 74 #4 70 #5 75 #6 70 /80psi. (MO 48). C/W AD 2023-09-09 V-Band Coupling Inspection IAW Par(k)1 thru 7. Next inspection due every 6 months or 100hrs per (ii)(2). Note: V-Band Coupling replacement due no later than July 2025 per AD AMOC (ii)(2). Performed ground run Engine Setup Procedures per MM Chapter 76-10-00. Installed Engine Winterization Plates on Oil Cooler.... C/W AD 2023-09-09 V-Band Inspection Par(K) 1-7. Next inspection due 6 months or 100hrs. Note: Replacement due July 2025.

Performed ground runs. Operational check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL / 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 10/10/2024

SIGNED:

Larry E. Russell, IA: 3531609

Work Order: BA-01018-09-2024

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1 of 1

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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ENGINE MODEL:
TSIO-360-RB(1)
ENGINE S/N (L): 322422
REG. NO: N220TG
WORK ORDER:
BA-01047-02-2025

Bartelt Aviation, Inc.

1301 West Lafayette Street
Sturgis, MI 49091
Phone: 269-651-5431

DATE: 8/7/2025
A/C TSN: 2030.7
ENG TT (L): 2030.7
TSMOH (L): 355.2
HOBS: 2030.7

Left Engine Entries

C/W AD 2023-09-09 V-Band Coupling Clamp. Installed new TCM Part No. 670105 V-Band Coupling Clamp. Recur Inspection due every 12 months / Annual Inspection. Replacement due every 500hrs TIS.... Performed Oil and Filter Change. Installed new CH48108-1 Filter. Added 8qts Aeroshell 15w50. Performed inspection of removed filter for contamination. Removed Oil Cooler Winterization Plates. Performed operational ground run and leak checks.

Maintenance Release

The aircraft and/or component(s) on N220TG 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 the repair are on file under Work Order No. BA-01047-02-2025, Dated 8/7/2025.

DATE: 8/7/2025

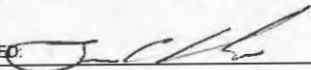
SIGNED:

Larry E. Russell, IA: 3531609

Work Order: BA-01047-02-2025

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1 of 1

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				ENGINE MODEL: TSIO-380-RB(1) ENGINE S/N (L): 322422 REG. NO: N220TG WORK ORDER: BA-01088-10-2025 Bartelt Aviation, Inc. 1301 West Lafayette Street Sturgis, MI 49091 Phone: 269-651-5431 DATE: 11/24/2025 A/C TSN: 2034 ENG TT (L): 2034 TSMOH (L): 358.7 HOBBS: 2034 Left Engine Entries C/W 100hr Inspection Items per guidelines of PA34-220T Inspection Report. C/W 100hr Fuel Servo Inlet Screen Inspection and Cleaning. C/W 100hr Exhaust/Turbocharger Inspection. Torqued Intake Hardware and Clamps. C/W 100hr Magneto to Engine Timing Inspection. Lubricated Engine Control Rod Ends. Inspected Engine Baffle Seals. Inspected Condition of Alternator and Starter. C/W 100hr Cleaning, Inspection, Gapping, Testing of all Spark Plugs. Reinstalled Plugs with new M674 Gaskets. Compression Test #1 70 #2 75 #3 71 #4 71 #5 71 #6 75 /80psi. (MO 48). Performed ground run Engine Setup Procedures per MM Chapter 76-10-00. Installed Engine Winterization Plates on Oil Cooler.... C/W AD 2023-09-09 V-Band Clamp (12month) Inspection.... Install new Part No. 555-182 Throttle Control Boot.... Removed Both Magnetos. Installed (2ea) Overhaul Exchange Magnetos Part No. 6324, Serial No 13120389 (See Form 8130-3 Dated 4/Nov/2025 FTN#110425) and Part No.6324, Serial No. 97080837 (See Form 8130-3 Dated 4/Nov/2025 FTN#110425). Timed to Engine per TCM specs.... Removed LH Turbo Oil Outlet Check Valve, torqued housing fitting, and reinstalled.... Retorqued Y Piper Flange Clamps. Performed ground runs. Operational check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL / 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DATE: 11/24/2025 SIGNED:  Larry E. Russell, IA: 3531609 Work Order: BA-01088-10-2025 Printed by EBis 3 (datcomedia.com)
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