

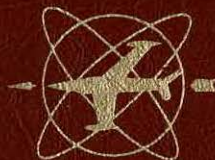
Right #2

ANOTHER QUALITY OVERHAUL

BY



OF
MIAMI, FLORIDA



The Standard

ENGINE LOG

ASA-SE-2

The Standard Engine Log
SE-2

© 1991-2007 Aviation Supplies & Academics, Inc.

ASA-SE-2

ISBN 1-56027-326-7
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Email: asa@asa2fly.com

Printed in China



P N R A S A - S E - 2

ISBN 978-1-56027-326-4



5 1 2 9 5

9 781560 273264

Engine Record General Information

Manufacturer: Teledyne Continental **Model** LTSIO-360 RB(1)

Serial: 322177

Type Certificate: E9CE-REV 21

**This engine is currently installed
in aircraft:** PA34-220T (RH) N220TG

Minimum Octane Fuel: 100/100
LL

Oil Grade *Summer:* 50W
Winter: 40W

Magneto Time: 20° BTC

Spark Plug Gap: .016 - .021

Firing Order: 1-4-5-2-3-6

**Manufacturer's Recommended
TBO at 1800 hours**

Comments:

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	SA648543-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
85	AEC629004	RING, RETAINER	1	642917-2	INTAKE HOSE
1	SA648597-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	SA639198	COUNTERWEIGHT BUSHING
12	655959	BOLT-CONN ROD	1	CAM643110	CLUTCH SPRING
12	654487	NUT-CONNECTING ROD	1	642121-2LH	CONNECTOR-TACH DR
12	SA633106	LIFTER	12	656703	ROCKER SHAFT
6	629690	PIN & PLUG ASM-PISTON	1	641533	SEAL-TACH DRIVE
2	636931	NUT-LOCK SELF	3	MS35756-8	KEY WOODRUFF
12	SA22022	EXHAUST NUT	1	MS35756-6	KEY WOODRUFF
1	627458	SPRING OIL PRES REL	1	MS35756-3	KEY WOODRUFF
4	36025	TAB WASHER	4	655268	BUSHING-MAG DRIVE COUP
25	SA501867	WASHER	24	631995	RETAINER-R/ARM THRUST
1	10-821604-3	IGN. HARNESS-GOLD SEAL	1	AA9144	PROP GOVERNOR GASKET
12	RHM38E	SPARK PLUG	6	SA632248	SLEEVE
1	CH48108-1	OIL FILTER	6	SA633958-3	SEAL
1	641368	BEARING NEEDLE	4	SA633958-5	SEAL
1	502287-3	RING-RETAINING-INT	1	24770	C/S PLUG
1	X13041	BEARING-BALL	2	SA632050	BUSHING
1	630680	BEARING-ROLLER	1	631928	HOSE
			24	SA627693	ROCKER ARM BUSHING
			2	6320	MAGNETO, OHC
			1	658601A2BP	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#64204/47008 ** 07 June 2016

Authorized Signature
Frank Neves, Jr.

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YEAR
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ENGINE MODEL:
LTSIO-360-RB1B
ENGINE S/N (R): 322177
REG. NO. 220TG
WORK ORDER:
7107-04-2016

Premier
Aircraft Service

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 (R): 1675.3
TSMOH (R): 0.1
HOBBS: 1675.3

Right Engine Entries

(7) INSTALLED OVERHALLED RIGHT ENG P/N LTSIO-360-RB1B, S/N 322177. REPLACED ENG MOUNT ISOLATORS AND TORQUED. RIGGED ENG CABLE CONTROLS. SECURED HARNESSES. 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.... (10) C/W ANNUAL INSPECTION ON THIS RIGHT 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 LTSIO-360-RB1B MM. AD: CHECKED THROUGH CURRENT ON ATP.... (19) C/W CH.5 REPLACEMENT OF RIGHT ENG VACUUM PUMP WITH O/H UNIT P/N 442CW-6, S/N 163726 IAW PA34-220T MM CH 37-10.

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:
LTSIO-360-RB1B
ENGINE S/N (R): 322177
REG. NO. 220TG
WORK ORDER:
7107-04-2016

Premier
Aircraft Service

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

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

Right Engine Entries

(54) ADJUSTED RH ENG IDLE MIXTURE AND IDLE SPEED IAW TCM LTSIO-360-RB M/M CH 23-2.... (62) ADJUSTED RIGHT ENG OIL PRESS RELIEF VALVE TO INCREASE IAW TCM LTSIO-360-RB M/M CH 23-2.

DATE: 7/11/2016

SIGNED:

Juan Valencia, A&P: 5804317

Work Order: 7107-04-2016

Printed by EBis 3 (datcomedia.com)

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ENGINE MODEL:
LTSIO-360-RB1B
ENGINE S/N (R): 322177
REG. NO: 220TG
WORK ORDER:
7204-07-2016



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

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

Right Engine Entries

(3) ADJUSTED RIGHT ENG MANIFOLD PRESSURE TO INCREASE IAW PA34-220T MM CH 76-10.... (7) REPLACED UPPER FWD CRANKCASE BOLT ON RIGHT ENG WITH NEW AND TORQUED IAW TCM LTSIO-360-RB1B MM TORQUE TABLE. LEAK CHECKED GOOD.

DATE: 7/13/2016

SIGNED:

Juan Valencia, A&P: 3804317

Work Order: 7204-07-2016

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
LTSIO-360-RB1B
ENGINE S/N (R): 322177
REG. NO: 220TG
WORK ORDER:
7477-02-2017



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

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

Right Engine Entries

(4) RIGGED THE RH PROP CONTROL IAW PW34-220T M/M 61-20-00. ADJUSTED THE RH IDLE AND MIXTURES IAW 76-10-00. C/W GND RUN UP WITH NO DEFECTS NOTED.

DATE: 2/20/2017

SIGNED:

Michael Arthur, A&P: 3543829

Work Order: 7477-02-2017

Printed by EBis 3 (datcomedia.com)

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ENGINE MODEL:
LTSIO-360-RB1B
ENGINE S/N (R): 322177
REG. NO: 220TG
WORK ORDER:
7485-02-2017



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

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

Right Engine Entries

(5) ADJUSTED RIGHT ENG FUEL SERVO TO BRING FUEL FLOW WITH IN SPECS IAW PA34-220T M/M CH 76-10-00. GROUND RUN UP CHECKED GOOD.

DATE: 2/23/2017

SIGNED:

Michael Arthur, A&P: 3543829

Work Order: 7485-02-2017

Printed by EBis 3 (datcomedia.com)

nd Alterations
icate Number of
specific entries.)

ENGINE MODEL:
LTSIO-360-RB1B
ENGINE S/N (R): 322177
REG. NO: 220TG
WORK ORDER:
7477-02-2017



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

DATE: 3/6/2017
A/C TSN: 1703.5
ENG TT (R): 1703.5
TSMOH (R): 28.3
HOBBS: 1703.5

Right Engine Entries

(5) ADJUSTED RH PROP GOVERNOR HIGH RPM STOP SCREW IAW PA34-220T M/M CH 61-20-00.

DATE: 3/6/2017

SIGNED:

Michael Arthur, A&P: 3543829

Work Order: 7477-02-2017

Printed by EBis 3 (datcomedia.com)

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ENGINE MODEL: LTSIO-360RB(1)
ENGINE S/N (R): 322177
REG. NO: N220TG
WORK ORDER: 7789-10-2016



Naples, Dba:

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

Right Engine Entries

This item will be corrected by Premier Aircraft. Engines only have 12hrs on them and need to be re-rigged.—Removed nose cowl. Removed upper and lower engine cowlings. Removed, cleaned, inspected, tested and reinstalled all spark plugs on R/H engine and torqued. Performed engine ground run. Mag's checked good. Reinstalled nose cowl. Reinstalled upper and lower cowlings. Cowlings were removed in anticipating engine re-rigging. Engines only have 12hrs since being installed. Premier Aircraft requests that the aircraft be brought to them for 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:

Simon Crawford, A&P: 3277003

Work Order: 7789-10-2016

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: LTSIO-360RB(1)
ENGINE S/N (R): 322177
REG. NO: N220TG
WORK ORDER: 7797-10-2016



Naples, Dba:

DATE: 10/28/2016
A/C TSN: 1687.3
ENG TT (R): 1687.3
TSMOH (R): 12
HOBBS: 1687.3

Right Engine Entries

Removed spinner. Disconnected alternator mount supports. Disconnected deice slip ring back plate and wiring. Removed propeller. Removed crankshaft seal cover plates. Removed seal and spring. Installed new spring and seal P/N 530917. Reinstalled cover plates. Reinstalled slip ring back plate and reconnected wiring. Reinstalled propeller and spinner. Reconnected alternator mount supports.

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: 10/28/2016

SIGNED:

Simon Crawford, A&P: 3277003

Work Order: 7797-10-2016

Printed by EBis 3 (datcomedia.com)

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ENGINE MODEL:
LTSIO-360RB1B
ENGINE S/N (R): 322177
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 (R): 1726.8
TSMOH (R): 51.6
HOBBS: 1726.8

Right Engine Entries

(3) C/W ANNUAL INSPECTION ON THIS RIGHT 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 20W50 OIL AND A CH48108-1 NEW 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: 70-73-72-70-72-73/80. WORK PERFORMED IAW TCM LTSIO-360-RB M/M. ENGINE WAS GROUND RUN AND LEAK CHECKED OK. ADS CHECKED THROUGH CURRENT ON ATP.

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

(35) REPLACED RIGHT ENG INBD SIDE EXHAUST SYSTEM TIE LINK WITH NEW P/N 654305. ADDED NEW HIGH TEMP WASHERS.

(43) REPLACED 2 ATTACH BOLTS ON RIGHT ENG WASTEGATE ASSY WITH NEW P/N MS20034-5 AND TORQUED IAW AC43.13-1B CH 7.

(51) RE-TIMED LEFT AND RIGHT MAGS ON RIGHT ENGINE TO SPECS IAW TCM LTSIO-360-RB MM.

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:
LTSIO-360RB1B
ENGINE S/N (R): 322177
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 (R): 1727.5
TSMOH (R): 52.3
HOBBS: 1727.5

Right Engine Entries

(68) ADJUSTED RIGHT ENGINE PROP RPM IAW PA34-220T MM CH 61-20-00. RAN ENGINE AND NO DEFECTS NOTED AT THIS TIME

(71) ADJUSTED RIGHT 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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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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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	322177	1748.5			

LTSIO-360RB TT 1748.5 SMOH 73.2

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

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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N220TG

RH ENGINE

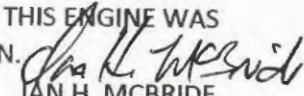
HOBBS 1754.9

TTE 1754.9

SMOH 79.7

9/1/18

CHANGED OIL AND FILTER. ADDED 8 QUARTS AEROSHELL 15W50. COMPRESSION CHECK 1/70, 2/75, 3/73, 4/75, 5/75, 6/73 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

ENGINE MODEL:
LTSIO-360-RB1B
ENGINE S/N (R): 322177
REG. NO: 220TG
WORK ORDER:
8543-08-2019



Premier Aircraft Service, Inc.

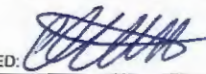
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 9/4/2019
A/C TSN: 1787.1
ENG TT (R): 1787.1
TSMOH (R): 111.9
HOBBS: 1787.1

Right Engine Entries

(7) REMOVED, CLEANED AND REINSTALLED ALL RIGHT ENGINE FUEL INJECTOR NOZZLES IAW TCM MM CH 16-1 AND APPENDIX B. RE-TIMED MAGNETOS TO ENGINE IAW TCM MM CH 17-12 AND APPENDIX B. REPLACED #5 CHT PROBE WITH NEW P/N 2852 IAW GEM. INSTALLATION MANUAL No.070906 REV. 1.5.

DATE: 9/4/2019

SIGNED: 

Dennis Allard, A&P: 3808264

Work Order: 8543-08-2019

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ENGINE MODEL:
LTSIO-360-RB1B
ENGINE S/N (R): 322177
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 (R): 1796.7
TSMOH (R): 121.5
HOBBS: 1796.7

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entries.)

Right Engine Entries

(4) C/W ANNUAL INSPECTION ON THIS RIGHT 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 QTS 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: 70-70-78-72-72-65/80. WORK PERFORMED IAW PA34-220T M/M. ENGINE WAS GROUND RUN AND LEAK CHECKED OK. ADS CHECKED THROUGH CURRENT ON ATP.
(49) REMOVED RH ENG MAGNETOS MODEL 6320 LH S/N 02062338 AND RH S/N 02062339, RE INSTALLED AND TIMED TO ENG AFTER REPAIR BY QUALITY AIRCRAFT ACCESSORIES (UNDER W/O 056710 & 056711) IAW CONTINENTAL LTSIO-360-RB MM.
(50) REPLACED RH ENG CYL 2 INTAKE MANIFOLD TUBE WITH NEW P/N 649262. WORK PERFORMED I.A.W. PA 34-220T M.M. CHAPTER 72-00 ENGINE.
(52) PERFORMED RH 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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YEAR
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TODAY'S
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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.)

Southern Pride Aviation

10/1/2020 TSIO360-RB1B S/N 322177 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. 62/80 #2. 72/80 #3. 65/80 #4. 65/80 #5. 65/80 #6. 70/80. Removed, cleaned and reinstalled fuel injectors. Checked mag timing. Lubed engine controls. Installed standoffs for loose wires on rear of engine compartment. 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
an 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:
LTSIO-360-RB(1)
ENGINE S/N (R): 322177
REG. NO: N220TG
WORK ORDER:
BA-00712-11-2020

Bartelt Aviation, Inc.

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

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

Right Engine Entries

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

Larry E. Russell, IA: 3531609

Work Order: BA-00712-11-2020

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A/C	N220TG	Date:	3-23-21	SO #	21-3194
R-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 Ground run 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:
LTSIO-360-RB(1)
ENGINE S/N (R): 322177
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 (R): 1895.2
TSMOH (R): 219.7
HOBBS: 1895.2

Right 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 77 #4 78 #5 75 #6 78 /80psi (MO 45).... Installed
new P/N 553-182 Boot on Right Engine Throttle Control at Servo.

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.

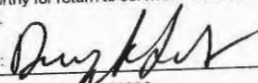
DATE: 11/18/2021

SIGNED

Larry E. Russell, IA: 3531609

Work Order: BA-00770-10-2021

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: Bartelt Aviation, Inc. LTSIO-360-RB(1) ENGINE S/N (R): 322177 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 (R): 1928.1 TSMOH (R): 252.6 HOBBS: 1928.1 Right Engine Entries Drained oil. Removed old filter, dissembled 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:  Work Order: BA-00839-07-2022 Devvyn Fader, A&P: 4226320 Printed by EBis 3 (datcomedia.com)

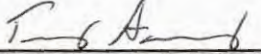
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YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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MANUFACTURER: Continental **ENGINE MODEL:** LTSIO-360-RB **S/N** 322177 **WO#** 105191

AD #	DESCRIPTION	COMPLIANCE STATUS
91-19-03	oil filter	N/A by filter P/N
92-04-09	cylinder-rocker shaft hold-down stud	C/W IAW CAT bulletin M92-4R1
93-10-02	cylinder	C/W by inspection IAW para. (b)
97-26-17 C	crankshaft	C/W by inspection I/A/W MSB96-10
00-23-21	crankshaft	N/A by crankshaft S/N N02FA591
09-02-03	Precision fuel servo	P/C/W, has "G" stamp on hex head.
10-11-04	TCM lifters	N/A by P/N 658106
11-13-03	Turbocharger Failure	Not received, customer to comply with
12-03-06C	Avstar fuel servo diaphragm	N/A by Precision overhaul
13-21-03	Turbine wheel failure	Not received, customer to comply
23-05-16	Continental counterweights	N/A by PGA assembly for repair
23-09-09	turbo spotwelded tailpipe v-band clamps	customer to comply with

Poplar Grove Airmotive, Inc.

FAA Approved Repair Station # YYBR664L Terry Aavang  **Date:** 19/Jul/2023

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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MAKE CONTINENTAL **MODEL** LTSIO-360-RB **S/N** 322177
Total Time 1943.2 **Time Since Overhaul** 267.7 **Hours**

The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. (As detailed below) Pertinent details of repair are on file at this repair station under:

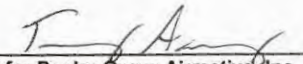
Work Order # 105191 **Date** 7/19/2023

Disassembled, cleaned and inspected engine due to propeller strike, in accordance with Continental Maintenance Manual M-O, Section 6-5.1.1. steps 3 thru 9 and 12. Installed camshaft P/N 655531 repaired by Aircraft Specialties Services and new Continental lifters P/N 658106. Repaired cylinders as required and reinstalled with new rings on existing pistons, see attached maintenance release tag. Installed new magnetos P/N ES6320, left S/N L-K04115, and right S/N L-K04116, from Kelly Aero. This engine was test run, for not less than two hours, in an FAA approved test cell and meets specifications. See A.D. Compliance Record and Parts List for more details. -----END-----

Poplar Grove Airmotive, Inc.

Poplar Grove Airport, Poplar Grove, IL

FAA Approved Repair Station #YYBR664L

Terry Aavang 

Signed for Poplar Grove Airmotive, Inc.

YEAR
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DATE

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TIME

MANUFACTUR

AD #

91-19-03

92-04-09

93-10-02

97-26-17 C

00-23-21

09-02-03

10-11-04

11-13-03

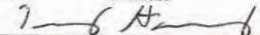
12-03-06C

13-21-03

23-05-16

23-09-09

Poplar Grove A

FAA Approved Repair Station # YYBR664L Terry Aavang  Date: 19/Jul/2023

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her specific entries.)

VO# 105191

Poplar Grove Airmotive, Inc.
Shop Orders — Inventory Summary
For Shop Order 105191 Only

7/18/2023
10:56AM

Shop Order #	Close Date	Dsc #	Part Number	Description	Action		Quantity	Units
					Date	Wmty?		
105191	//	3,000	953541-10	Packing	7/10/2023		1.00	Each
105191	//	2,000	641346	Hook	7/10/2023		1.00	Each
105191	//	2,000	SA627496	Gasket	7/10/2023		1.00	Each
105191	//	2,000	642892	Gasket, Oil Cap	7/11/2023		1.00	Each
105191	//	2,000 M	ES6320	Magneto Core	7/13/2023		-1.00	Each
105191	//	2,000 M	ES6320	Magneto Core	7/13/2023		-1.00	Each
105191	//	2,000	ES6320	Magneto	7/17/2023		1.00	Each
105191	//	2,000	ES6320	Magneto	7/17/2023		1.00	Each
105191	//	2,000	630523	Washer	7/17/2023		2.00	Each
105191	//	2,000	629935	Plug	6/15/2023		1.00	Each
105191	//	2,000	642041-6.80	THRU BOLT .44-20	6/15/2023		1.00	Each
105191	//	2,000	AN500D416-20	Screw	6/15/2023		1.00	Each
105191	//	2,000	SA631348-A3	Gasket Set	6/15/2023		1.00	Each

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.)

MAKE CONTINENTAL MODEL LTSIO-360-RB S/N 322177
Total Time 1943.2 Time Since Overhaul 267.7 Hours

The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. (As detailed below) Pertinent details of repair are on file at this repair station under:

Work Order # 105191 Date 7/19/2023

Disassembled, cleaned and inspected engine due to propeller strike, in accordance with Continental Maintenance Manual M-O, Section 6-5.1.1. steps 3 thru 9 and 12. Installed camshaft P/N 655531 repaired by Aircraft Specialties Services and new Continental lifters P/N 658106. Repaired cylinders as required and reinstalled with new rings on existing pistons, see attached maintenance release tag. Installed new magnetos P/N ES6320, left S/N L-K04115, and right S/N L-K04116, from Kelly Aero. This engine was test run, for not less than two hours, in an FAA approved test cell and meets specifications. See A.D. Compliance Record and Parts List for more details. -----END-----

Poplar Grove Airmotive, Inc.

Poplar Grove Airport, Poplar Grove, IL

FAA Approved Repair Station #YYBR664L

Terry Aavang 

Signed for Poplar Grove Airmotive, Inc.

YEAR
20
DATE

7/18/2023
10:56AM

REC
TACH
TIME

Shop Order #	Close Date	Dsc #	Part Number	Description	Action Date Wrnty?	Quantity	Units
105191	11	2,000	SA530917	Seal	6/02/2023	1.00	Each
105191	11	2,000	632879	Packing	6/02/2023	4.00	Each
105191	11	2,000	639580	Blade Bushing	6/02/2023	4.00	Each
105191	11	2,000	SA639198	Bushings	6/02/2023	8.00	Each
105191	11	2,000	643626-110	Roller	6/02/2023	2.00	Each
105191	11	2,000	643626-111	Pin	6/02/2023	2.00	Each
105191	11	2,000	653143	Plate	6/02/2023	8.00	Each
105191	11	2,000	SA629004	Ring	6/02/2023	8.00	Each
105191	11	2,000	SA630692	Screw	6/02/2023	4.00	Each
105191	11	2,000	655959	Rod Bolt	6/02/2023	12.00	Each
105191	11	2,000	654487	Nut	6/02/2023	12.00	Each
105191	11	2,000	658106	Lifter	6/02/2023	12.00	Each
105191	11	2,000	SA642338	Rod Bearing	6/02/2023	12.00	Each
105191	11	2,000	SA630742	Screw	6/02/2023	4.00	Each
105191	11	2,000	MS35756-8	Key	6/22/2023	1.00	Each
105191	11	2,000	627458	Spring	6/02/2023	3.00	Each
105191	11	2,000	SA629690	Pin	6/02/2023	3.00	Each
105191	11	2,000	SA629690	Pin	6/02/2023	1.00	Each
105191	11	2,000	633609-18	Bearing-Needle	6/02/2023	1.00	Each
105191	11	2,000	633609-18	Bearing-Needle	6/02/2023	1.00	Each
105191	11	2,000	SA638172	Bushings	6/02/2023	4.00	Each
105191	11	2,000	36025	Washer	6/02/2023	4.00	Each
105191	11	2,000	SA641368	Bearing	6/02/2023	1.00	Each
105191	11	2,000	502287-3	Snap Ring	6/02/2023	1.00	Each
105191	11	2,000	501867	Lock Tab	6/02/2023	28.00	Each
105191	11	2,000	501867	Lock Tab	6/02/2023	3.00	Each
105191	11	2,000	654366	Gasket	6/02/2023	1.00	Each
105191	11	2,000	CAM643110	Clutch Spring	6/02/2023	1.00	Each
105191	11	2,000	SA633958-5	Seal	6/02/2023	4.00	Each
105191	11	2,000	SA632248	Sleeve	6/02/2023	6.00	Each
105191	11	2,000	628155-1	Pin	6/02/2023	1.00	Each
105191	11	2,000	SA632310-S	Gasket, Silicone	6/02/2023	12.00	Each
105191	11	2,000	646812	SPACER	6/02/2023	1.00	Each
105191	11	2,000	641166	Baffle Shaft	6/02/2023	1.00	Each
105191	11	2,000	U674	Spark Plug Gasket	6/02/2023	12.00	Each
105191	11	2,000	654439-16	Hose	6/02/2023	10.00	Each
105191	11	2,000	649353-62	Screw	6/02/2023	1.00	Each
105191	11	4,000	SA639282 P05	Guide	6/22/2023	6.00	Each
105191	11	4,000	SA646460	Valve	6/22/2023	2.00	Each
105191	11	4,000	646678	Seal	6/22/2023	6.00	Each
105191	11	4,000	SA3610-SC P05	Ring Set	6/22/2023	1.00	Each
105191	11	4,000	SA3610-SC P05	Ring Set	6/22/2023	3.00	Each
105191	11	4,000	SA3610-SC P05	Ring Set	6/22/2023	2.00	Each
105191	11	2,000	MS35756-6	Key	6/22/2023	1.00	Each
105191	11	4,000	SA646460	Valve	6/23/2023	1.00	Each
105191	11	2,000	653415	Gasket Cam Cover	7/06/2023	1.00	Each
105191	11	2,000	SA627496	Gasket	7/06/2023	1.00	Each
105191	11	3,000	951789	Packing	7/10/2023	1.00	Each

Poplar Grove Airmotive, Inc.
Shop Orders — Inventory Summary
For Shop Order 105191 Only

and Alterations
Certificate Number of
her specific entries.)

IO# 105191

ate: 19/Jul/2023

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.)

MAKE CONTINENTAL MODEL LTSIO-360-RB S/N 322177
Total Time 1943.2 Time Since Overhaul 267.7 Hours

The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. (As detailed below) Pertinent details of repair are on file at this repair station under:

Work Order # 105191 Date 7/19/2023

Disassembled, cleaned and inspected engine due to propeller strike, in accordance with Continental Maintenance Manual M-O, Section 6-5.1.1. steps 3 thru 9 and 12. Installed camshaft P/N 655531 repaired by Aircraft Specialties Services and new Continental lifters P/N 658106. Repaired cylinders as required and reinstalled with new rings on existing pistons, see attached maintenance release tag. Installed new magnetos P/N ES6320, left S/N L-K04115, and right S/N L-K04116, from Kelly Aero. This engine was test run, for not less than two hours, in an FAA approved test cell and meets specifications. See A.D. Compliance Record and Parts List for more details. -----END-----

Poplar Grove Airmotive, Inc.
Poplar Grove Airport, Poplar Grove, IL
FAA Approved Repair Station #YYBR664L

Terry Aavang
Signed for Poplar Grove Airmotive, Inc.

MANUFACTUR

AD #

91-19-03

92-04-09

93-10-02

97-26-17 C

00-23-21

09-02-03

10-11-04

11-13-03

12-03-06C

13-21-03

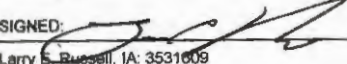
23-05-16

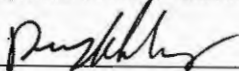
23-09-09

Poplar Grove

FAA Approved

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: LTSIO-360-RB(1) ENGINE S/N (R): 322177 REG. NO: N220TG WORK ORDER: BA-00888-02-2023 Bartelt Aviation, Inc. 1301 West Lafayette Street Sturgis, MI 49091 Phone: 269-651-5431 DATE: 8/28/2023 A/C TSN: 1943.2 ENG TT (R): 1943.2 TSMOH (R): 267.7 HOBBS: 1943.2 Right Engine Entries Removed and reinstalled this Engine on N220TG PA34-220T, Serial No. 3449265 after IRAN by Popular Grove Airmotive due to Prop Strike (Deer hit Propeller). Engine installation per procedures outlined in Chapter 71-00-00 of the Maintenance Manual. Reinstalled Exhaust and Turbo System in as removed condition. Installed Overhauled Tempest Dry Air Pump P/N AA442CW Serial No.13TD05. Serviced Engine with 8qts Aeroshell 100. C/W AD 2023-09-09 V-Band Coupling Inspection IAW Par(K) Items 1 thru 7. Next Inspection Due every 6 months or 100hrs per (ii)(2). Note: Installed V-Band Coupling replacement due no later than July 2025 per AD AMOC (ii)(2) . Reinstalled Fuel Servo Part No.2576540-7, Serial No.72GB3802 after repairs by D&G Supply, See Form 8130-3 Dated 8/21/23, W.O.#44794. Reinstalled Fuel Pump Part No. 654351-1A1, Serial No.B02HA159 after overhaul by D&G Supply. See Form 8130-3 Dated 8/21/23, W.O.#44794. Performed ground 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:  Larry E. Russell, IA: 3531609 Work Order: BA-00888-02-2023 Printed by EBis 3 (detcomedia.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.)
				ENGINE MODEL: LTSIO-360-RB(1) ENGINE S/N (R): 322177 REG. NO: N220TG WORK ORDER: BA-00931-09-2023 Bartelt Aviation, Inc. 1301 West Lafayette Street Sturgis, MI 49091 Phone: 269-651-5431 DATE: 9/13/2023 A/C TSN: 1951 ENG TT (R): 1951 TSMOH (R): 275.5 HOBBS: 1951 Right 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 100 mineral 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-00931-09-2023, Dated 9/13/2023. DATE: 9/13/2023 SIGNED:  Larry E. Russell, IA: 3531609 Work Order: BA-00931-09-2023 Printed by EBis 3 (detcomedia.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.)
ENGINE MODEL: LTSIO-360-RB(1) ENGINE S/N (R): 322177 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 (R): 1981.6 TSMOH (R): 306.1 HOBS: 1981.6
Right 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 80 mineral 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
		Devvyn Fader, IA: 4226320		Printed by EBis 3 (datcomedia.com)
1 of 1				

YEAR
20
DATE

ENGINE MODEL:
LTSIO-360-RB(1)
ENGINE S/N (R): 322177
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 (R): 2003.9
TSMOH (R): 328.4
HOBBS: 2003.9

s and Alterations
ertificate Number of
ther specific entries.)

Right 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.... Removed and Reinstalled Alternator P/N ES4024LPR, Serial No. H091551 after overhaul by Aircraft Accessories of Oklahoma. See Form 8130-3 Dated 28-June-2024, FTN#062824. Performed system operational 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. 8A-00992-06-2024, Dated 7/9/2024.

DATE: 7/9/2024

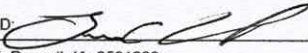
SIGNED:

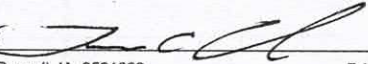
Larry E. Russell, IA: 3531609

Work Order: BA-00992-06-2024

Printed by EBis 3 (datamedia.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.)
				ENGINE MODEL: Bartelt Aviation, Inc. DATE: 10/10/2024 LTSIO-360-RB(1) A/C TSN: 2006.6 ENGINE S/N (R): 322177 1301 West Lafayette Street REG. NO: N220TG Sturgis, MI 49091 WORK ORDER: TSMOH (R): 331.1 BA-01018-09-2024 Phone: 269-651-5431 HOBBS: 2006.6 Right 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 77 #2 74 #3 75 #4 74 #5 75 #6 75 /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.... Installed new #4 EGT Probe Part No, 2870. 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:  Work Order: BA-01018-09-2024 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.)
				ENGINE MODEL: Bartelt Aviation, Inc. DATE: 8/7/2025 LTSIO-360-RB(1) A/C TSN: 2030.7 ENGINE S/N (R): 322177 1301 West Lafayette Street REG. NO: N220TG Sturgis, MI 49091 WORK ORDER: TSMOH (R): 355.2 BA-01047-02-2025 Phone: 269-651-5431 HOBBS: 2030.7 Right 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.... Removed and reinstalled Right Fuel Boost Pump Part No. 2B6-88, Serial No. 3AT-29 after Overhaul by Fleet Support Services, Inc. See Form 8130-3 Dated 24/July/2025, FTN#89516, W.O. PO25-1308. Performed operational leak checks. All functions normal.... 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 ground operational 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:  Work Order: BA-01047-02-2025 Larry E. Russell, IA: 3531609 Printed by EBis 3 (datcomedia.com)
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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. LTSIO-360-RB(1) ENGINE S/N (R): 322177 REG. NO: N220TG WORK ORDER: BA-01088-10-2025 1301 West Lafayette Street Sturgis, MI 49091 Phone: 269-651-5431 DATE: 11/24/2025 A/C TSN: 2034 ENG TT (R): 2034 TSMOH (R): 358.7 HOBBS: 2034 Right 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 78 #2 75 #3 75 #4 78 #5 75 #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 Coupling (12month) Inspection.... Adjusted Both Mag to Engine Timing to mfg specs.... Installed new TCM 10-821604-3 Ignition Harness & 12ea new Champion RHM38E Plugs. 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 (datoomedia.com)
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