

The Standard Engine Log
SE-2

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Engine Record General Information

Manufacturer CONTINENTAL MOTORS Model IO-520-BB
Serial 287499 Type Certificate _____
This engine is currently installed in aircraft: BEECH BONANZA A36 N9410Q
S/N E-286 1971
Minimum Octane Fuel _____ Oil Grade Summer _____ Winter _____
Magnetto Time _____ Point Setting _____ Firing Order _____
Spark Plug Gap _____
Manufacturer's Recommended Overhaul at 1700 hours or 12 YEARS

MENA AIRCRAFT ENGINES, INC. - - FAA CRS#S9QR340N

Date: October 19, 2016 Tach Time: 1929.00 hrs Engine Time Since Major Overhaul: 00.00 hrs.
Engine Data: Continental Motors engine model IO-520-BB Serial Number: 287499
Aircraft Data: Beech Bonanza model A36 serial number: E-286 N9410Q Year: 1971

WORK PERFORMED: inspect and major overhauled to new limits and specifications in accordance with Teledyne-Continental overhaul manual#X30039A and Teledyne-Continental parts catalog #X30624A

COMPONENTS

crankshaft/counterweight assembly: magnafluxed, inspected, rods and mains ground M010, renitrided, cadmium plated and baked flange, rebushed damper blades, rebushed counterweights, installed counterweights with new pins, plates, and snap rings, ultrasonic tested i/a/w TCM SB#96-10, c/w AD#97-26-17 as VAR, dynamically balanced per procedure #98-002, and certified by Aircraft Specialties of Tulsa, OK w/o 238492 FAA CRS#DD2R764K. TCM s/n F437

connecting rods(6): magnafluxed, inspected, resized, rebushed, balanced, and certified by Aircraft Specialties of Tulsa, OK w/o 238493 FAA CRS#DD2R764K.

COMPONENTS CONTINUED

internal steel: cleaned, magnafluxed, inspected, and certified by Aircraft Specialties of Tulsa, OK w/o 238493 FAA CRS#DD2R765K

camshaft: replaced with RAM camshaft p/n 1058-3 manufactured by RAM of Waco, TX FAA approved per RAM drawing #1058, Rev AJ. Inspect and certified by Aircraft Specialties of Tulsa, OK w/o 227516 FAA CRS#DD2R764K.

hydraulic valve lifter assemblies: intake p/n 628488, exhaust p/n 646277 - cleaned, inspected, magnafluxed, overhauled, bleed rate matched per procedure #2002-01, and certified by Aircraft Specialties of Tulsa, OK w/o 238493 FAA CRS#DD2R764K.

crankcase: casting #653920, match #2G317 - zygloed, inspected, repaired, lifter bores sleeved, surfaced, align-bored, stress relieved, and certified by DIVCO of Tulsa, OK w/o WDC# 117699 FAA CRS#DB2R762K.

cylinders(6): cleaned, zygloed, inspected, bores nickel plated, installed new valve guides, honed guides, ground valve seats, lap and leak check, custom fitted piston rings, assembled with new guides, exhaust valves, keepers, valve springs, roto-coils, balanced pistons, piston rings, valve rocker shafts, and piston pins by Performance Aircraft Powerplants of Berryville, AR w/o 3525B A&P#3622318 dated 9/30/2016.

valve rocker arms(12): magnafluxed, inspected, refaced, rebushed(1-piece bushings), and certified by Aircraft Specialties of Tulsa, OK w/o 227014 FAA CRS#DD2R764K.

attaching hardware: bright cadmium plated i/a/w UPS SP-01 Rev B class 3 type II, actual thickness .00035 - .00045, hydrogen embrittlement relieve baked 375 +/- 25 degrees F for 3 hours i/a/w UPW SP-17 Rev F and UPW SP-01 Rev B, and certified by United Plating Works of Tulsa, OK w/o 459695 FAA CRS#FA2R813K.

ACCESSORIES

magneto(LH): replaced with new Slick magneto p/n 6310, s/n 16080052, purchased from Aviall of Dallas, TX. invoice #9304504228 dated 10/05/2016

magneto(RH): replaced with new Slick magneto p/n 6310, s/n 16080060, purchased from Aviall of Dallas, TX. invoice #9304504228 dated 10/05/2016

starter: replaced with new Sky-Tech starter p/n C12ST5 s/n 2C5-301615, purchased from Sky-Tec of Granbury, TX, manufactured under FAA-PMA #PQ0852SW supplement #6. dated July 29, 2016.

starter adapter: p/n 642083-A12, s/n CAS-3077, mfg. CMI- inspected, overhauled, and certified by Custom Airmotive of Tulsa, OK w/o 25137 FAA CRS#DC2R763K.

oil cooler: p/n 635996, s/n 368, mfg. TCM - inspected, overhauled, tested, and certified by American Cooler Service of Arlington, TX w/o 64053 FAA CRS#OC8R986J.

fuel injection system: p/n 649052A2-1R mfg. TCM - inspected, overhauled, tested, and certified by Mike's Aircraft Fuel Metering Service of Tulsa, OK w/o 28395 FAA CRS#HK2R875K. control valve p/n 646628A7, s/n D279213AR; fuel pump p/n 638154-2, s/n K067216, and flow divider p/n 631427-2A22 s/n C02DA091R.

Special FAA Approved Procedures for the Endurance Engine

1. installed crankcase thru-bolt dowels per procedure #MPCD16CB2
2. installed stainless steel valve cover screws per procedure #MPRC16VCS2
3. installed fuel injection line clamps per procedure #MPCD17FTC3
4. modified oil pump assembly per procedure #MPCD12OP2
5. dynamically balanced crankshaft assembly per procedure #98-002
6. bleed rate and flow matched hydraulic lifters(12) per procedure #2002-01
7. valve cover milled per procedure #MPCD11VC2
8. cylinders flow balanced and matched, with honed valve guides, computer matched valve springs, performance valve seat and valve grind, matched pistons - piston weight per procedure #MPCD10CL12

NEW PARTS INSTALLED

Major overhaul gasket and seal set, crankshaft oil seal p/n 641250, crankshaft damper bushings, counterweight bushings, counterweight pins, plates, and snap rings, crankshaft gear attaching screws, alternator face gear screws and lockplates, camshaft gear attaching screws, camshaft gear woodruff key, connecting rod bolts, connecting rod nuts, connecting rod bushings, connecting rod bearings M010, oil transfer collar assembly M010, main bearing set M010, magneto hold down clamps, crankcase thru-bolt dowels and o rings, starter adapter pilot needle bearing, piston pins, exhaust valves, valve springs, valve keepers, valve roto-coils, valve rocker shafts, retainers, valve rocker shaft bolts and washers, balanced pistons, and piston rings, silicone valve cover gaskets, crankcase cylinder thru-bolts, cylinder base nuts, spark plugs p/n RHB32E, ignition harness assembly, oil pressure relief valve kit, oil pressure relief valve spring, fuel pump drive coupling p/n 653359, oil temperature vernathern valve, front crankshaft oil seal retaining plates, magneto drive cushions, oil filter p/n 48109, oil cooler baffle seal, Real Gasket push rod seal kit, induction tube hoses and clamps, oil filter adapter stud, oil dipstick cap seal, engine mount leg washers and nuts, intake flange bolts, rocker shaft thrust washers, dipstick assembly p/n 652171-1, servo duct and clamp. supplied new exhaust nuts and new blo-proof exhaust gaskets.

Engine Test Run and Sign-Off: this engine overhauled to new limits and test run in accordance with current and applicable FAA data and procedures and is approved for return to service. pertinent details of the overhaul are on file at this repair station #S9QR340N under work order #16H-2153 by Mena Aircraft Engines, Inc. of Mena, AR [REDACTED] October 19, 2016

Twelve Stone Aviation, LLC.

802 Airport Rd. Hangar 5 Springdale, AR 72764

REGISTRATION: N9410Q
MODEL: IO-520-BB

TACH: 1929.0
ENGINE TSMO: 00.0

DATE: 11/02/2016
SN: 287499

- INSTALLED ENGINE, PN. IO-520-BB, SN.287499, IN N9410Q AFTER OVERHAUL BY MENA AIRCRAFT ENGINES INC. USING NEW ENGINE MOUNTS, HARDWARE AND GASKETS
- PERFORMED ANNUAL INSPECTION
- REPLACED ALL FLUID CARRYING HOSES WITH HOSE KIT FROM P.H.T.
- SERVICE WITH PHILLIPS 20W/50M OIL.
- SET MAG TIMING
- GROUND RUN, ALL OPS NORMAL. NO LEAKS NOTED

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

KEVIN S DAVIS

Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712

11-23-2016 Tach. 1947.5, TSOH 18.5

N9410Q Engine Log Entry

- Performed post engine overhaul and installation inspection.
- Performed engine run and operational checked.
- Performed cylinder compression test; #1 69/80, #2 72/80, #3 75/80, #4 68/80, #5 70/80, #6 74/80.
- Drained engine oil and inspected oil filter, no abnormal contaminates noted in filter.
- Replaced engine oil drain plug W/New SAF-AIR quick drain valve P/N S6250.
- Serviced engine W/11 Quarts Aeroshell 80 Mineral oil and new AA48109 filter.
- Performed engine run and leak checked good.

David Westphal A&P [REDACTED]

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Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712

2-23-2017 Tach. 1980.5, TSOH 51.5

N9410Q Engine Log Entry

- Performed engine run and operational checked.
- Performed cylinder compression test; #1 72/80, #2 75/80, #3 75/80, #4 78/80, #5 70/80, #6 71/80.
- Drained engine oil and inspected oil filter, no abnormal contaminants noted in filter.
- Serviced engine W/11 Quarts Aeroshell W80 Plus oil and new AA48109 filter.
- Magneto to engine timing checked good.
- C/W Mena Aircraft Service Bulletin #1 and sent in results. Replaced crankshaft seal W/New P/N SA641250 due to noted oil leakage. No other defects noted at this time.
- Performed engine run and leak checked good.

Manuel Burgos A&P

Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712

2-28-2017 Tach. 1980.5, TSOH 51.5

N9410Q Engine Log Entry

- Removed propeller, replaced crankshaft seal W/New P/N SA641250. Reinstalled propeller W/New oring and torqued nuts to 60 FT LBS. Safety wired all propeller mounting studs. Performed engine run and leak checked good.

Brandon Nölker A&P

Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712

8/2/2017 Tach. 53.6, TSOH 106.6

N9410Q Engine Log Entry

- Performed engine run and operational checked.
- Drained engine oil and inspected oil filter, no abnormal contaminants noted in filter.
- Serviced engine W/11 Quarts Aeroshell W100 Plus oil and new AA48109 filter.
- Performed engine run and leak checked good.

William Dorothy A&P

Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712

9/13/2017 Tach. 78.7, TSOH 131.7

N9410Q Engine Log Entry

- Performed engine run and operational checked.
- Drained engine oil, removed and inspected oil filter, no abnormal contaminants noted in filter.
- Serviced engine W/11 Quarts Aeroshell W100 Plus oil and new AA48109 filter.
- Performed engine run and leak checked good.

Brandon Nölker A&P

Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712

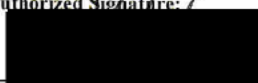
12/20/2017 Tach. 152.5, TSOH 205.5/10-19-2016

N9410Q Engine Log Entry

- Performed 100 Hour/Annual Inspection I/A/W FAR 43 App. D. Work was performed I/A/W current Beech A36 and Continental Maintenance Manual.
- Checked ADs through ATP revision dated 12/21/2017. See aircraft records for AD listings.
- Drained engine oil, removed and inspected oil filter, no abnormal contaminants noted in filter.
- Compression test results; #1 68/80, #2 72/80, #3 72/80, #4 74/80, #5 68/80, #6 70/80.
- Magneto to engine timing check was good.
- Removed all spark plugs, cleaned, inspected, gapped, tested, rotated and reinstalled W/New M674 gaskets.
- Serviced engine W/11 Quarts Aeroshell W80 Plus oil and new AA48109 filter.
- Removed fuel control valve/throttle body assembly P/N 646628A7, S/N D279213AR due to excessive throttle plate movement. Returned to Mike's Aircraft Fuel Metering for warranty repairs. Repairs were performed by Mike's Aircraft Fuel Metering on W/O and FAA Form 8130-3 tracking number 29211 dated 12-Dec-2017. Reinstalled same repaired unit. Performed engine run and performance testing. Found fuel pressures within limits. Adjusted idle RPM and idle Mixture. Leak and operational checks were good.

I certify that this Engine was inspected I/A/W a 100 Hour inspection and was determined to be in airworthy condition.

David Westphal A&P

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 29211	
4. Organization Name and Address: Mike's Aircraft Fuel Metering Service, 9406 E. 46th St. North, Tulsa, OK 74117 918-838-6217					5. Work Order/Contract/Invoice Number: 29211	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	FUEL CONTROL VALVE	646628A7	1	D279213AR	REPAIRED	
12. Remarks: I/A/W/ MANUAL NO. MAF1000 5/12						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature:		14c. Approval/Certificate No.:	
						
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): KEVIN L. FELTS		14e. Date (dd/mm/yyyy): 12-Dec-2017	
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

- Drained engine oil, removed and inspected oil filter, no abnormal contaminants noted in filter.
- Serviced engine W/11 Quarts Aeroshell W100 Plus oil and new AA48109 filter.
- Performed engine run. Leak and operational checks were good.

Manuel Burgos A&P

- Drained engine oil. Removed and inspected oil filter. Found some "minor" magnetic metal particles in the pleats of the oil filter. Communicated to owner to re-inspect oil filter in 25 hours.
- Serviced engine W/11 Quarts Aeroshell W100 Plus oil and new AA48109 filter.
- Removed left accessory drive adapter and vacuum pump. Replaced accessory drive seal W/New P/N 25102. Reinstalled accessory drive adapter W/New gasket P/N 654012 and reinstalled vacuum pump W/New gasket P/N 653487. Washed engine oil from engine bay.
- Performed engine run. Leak and operational checks were good.

Manuel Burgos A&P

- Drained engine oil. Removed and inspected oil filter. No abnormal contaminants noted in filter.
- Serviced engine W/11 Quarts Aeroshell W100 Plus oil and new AA48109 filter.
- Performed engine run. Leak and operational checks were good.

David Westphal A&P

- PERFORMED ANNUAL INSPECTION
- CHECKED MAGNETO TIMING
- DRAINED ENGINE OIL AND REMOVED OIL FILTER, CUT FILTER OPEN TO INSPECT FOR ABNORMALITIES, NONE FOUND.
- INSTALLED NEW OIL FILTER, P/N AA48109-2 AND SERVICED ENGINE WITH 12qts. AEROSHELL W80 PLUS
- REMOVED, CLEANED, TESTED, & INSPECTED ALL SPARK PLUGS. REINSTALLED PLUG USING NEW M-674 GASKETS
- PERFORMED COMPRESSION TEST, RESULTS: #1) 58/80 #2) 62/80 #3) 20/80 #4) 62/80 #5) 68/0 #6) 70/80
- A.D.'S CHECKED THRU 21-DEC-2018, NO A.D.'s DUE ON THIS ENGINE ON THIS DATE

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR PART 43 APPENDIX (D) ANNUAL INSPECTION REQUIREMENT'S AND WAS FOUND TO BE IN AIRWORTHY CONDITION AT THIS DATE

DUSTIN E. THOMPSON

- PERFORMED 100Hr. INSPECTION
- CHECKED MAGNETO TIMING
- DRAINED ENGINE OIL AND REMOVED OIL FILTER, CUT FILTER OPEN TO INSPECT FOR ABNORMALITIES, NONE FOUND.
- INSTALLED NEW OIL FILTER, P/N AA48109 AND SERVICED ENGINE WITH 12qts. AEROSHELL 15W50 OIL
- REMOVED, CLEANED, TESTED, & INSPECTED ALL SPARK PLUGS. REINSTALLED PLUG USING NEW M-674 GASKETS
- PERFORMED COMPRESSION TEST, RESULTS: #1) 68/80 #2) 66/80 #3) 59/80 #4) 64/80 #5) 61/80 #6) 68/80
- A.D.'S CHECKED THRU 27-DEC-2019, NO A.D.'s DUE ON THIS ENGINE ON THIS DATE

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR PART 43 APPENDIX (D) 100Hr. INSPECTION REQUIREMENT'S AND WAS FOUND TO BE IN AIRWORTHY CONDITION AT THIS DATE

DUSTIN E. THOMPSON

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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Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712				
3/27/2019 Tach. 462.7, TSOH 462.7/10-19-2016				N9410Q Engine Log Entry
- Drained engine oil. Removed and inspected oil filter. No abnormal contaminants noted in filter. - Serviced engine W/11 Quarts Aeroshell W100 Plus oil and new AA48109 filter. - Performed engine run. Leak and operational checks were good.				
Nate Hinton A&P				

Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712				
11/7/2019, Tach. 531.4, TSOH 531.4/10-19-2016, Hobbs 1474.5				N9410Q Engine Log Entry
- Drained engine oil. Removed and inspected oil filter. No abnormal contaminants noted in filter. - Serviced engine W/11 Quarts Aeroshell W80 Plus oil and new AA48109 filter. - Performed engine run. Leak and operational checks were good.				
Jonathan Taylor Moore A&P				

Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712				
7/24/2020, Tach. 610.8, TSOH 610.8/10-19-2016, Hobbs 1556.4				N9410Q Engine Log Entry
- Drained engine oil. Removed and inspected oil filter. No abnormal contaminants noted in filter. - Serviced engine W/11 Quarts Aeroshell 15W50 oil and new AA48109 filter. - Relocated ducts and associated clamps to prevent Air Conditioner pulley from chaffing on intercooler plenum box and turbocharger intake tube from chaffing on the exhaust. - Performed engine run. Leak and operational checks were good.				
David Westphal A&P				

WESTERN
Skyways
INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Pl. Montrose, CO 81401
(970) 249-0232 800-575-9929
Fax: (970) 249-4155
www.westernskyways.com

Date: 07 JUL 2020

Tach time: 592.5

Total time: 7926.4

Aircraft Model: BEECH A-36

#1 Engine Model: Continental IO-520-BB

Engine total time:

#1 Prop Model: Hartzell PHC-C3VF-1RF/F8068

Prop Total time: 0.0

Reg. Number: N9410Q

Hobbs time: 608.8

Work Order Number: A004346

Serial Number: E-286

Serial Number: 287499

Engine TSO: 645.5

Serial Number: QG1845B

Prop TSO: NA

ENGINE LOG

- Removed engine IO-520-BB serial number 287499. Removed propeller PHC-G3VF-1RF serial number PC10TCP25EA.
- Engine Turbo normalized per STC SE8677SW in accordance with Western Skyways Master Drawing List DL92002, Rev 3, dated 15 MAY 2006. This engine must be installed and operated per Western Skyways Inc. STC SA8676SW.
- Installed Turbo normalized Continental IO-520-BB, S/N: 287499 and associated changes per STC SA8676SW in accordance with Western Skyways. Master Drawing List No. DL92001 Rev. 14 dated 14 DEC 2013. Serviced engine with Phillips XC20W-50.
 - Installed new Wastegate, P/N: 470908-0011, S/N: H-WGN00013, ref Hartzell Engine Technologies 8130-3, W/O: M690110 dated 25 JUL 2019.
 - Installed new Controller, P/N: 481058-0001, S/N: H-XDN00077, ref Hartzell Engine Technologies 8130-3, W/O: M940150 dated 25 06 MAY 2020.
 - Installed new Turbo charger, P/N: 406610-0029, S/N: H-XDL00134, ref Hartzell Engine Technologies 8130-3, W/O: M939410 dated 06 MAY 2020.
 - Installed new relief valve, P/N: 470944-0020, S/N: H-TLN00086.
 - Installed Fuel Pump, P/N: 646210-11-2 and Throttle control, P/N: 649468-2-11, S/N: L189021AR, overhauled and modified per STC SE8677SW. Ref Western Skyways Inc. 8130-3, W/O: A004346 dated 15 MAY 2020.
 - Installed overhauled Manifold Valve, P/N: 631351-18A1, S/N: D059103C. Ref Western Skyways Inc. 8130-3, W/O: A004346 dated 15 MAY 2020.
 - Installed NEW fuel limiter, P/N: 642100-5, S/N: A004346.
 - Installed NEW Slick Magnetos, Model 6320, S/N: 20031117 and 20031116.
 - Installed REBUILT Starter Adapter, P/N: R-642087A68. Ref Continental Motors Inc. 8130-3, W/O: 682593 0000266353 dated 11 FEB 2020.
 - Installed NEW exhaust V35-100. Lot # 15107 (Dawley Manufacturing Corp.)
 - Ground run, leak and operational checks good. Adjusted fuel system per Continental M-0 and STC requirements.
 - Filed 337 form and updated weight and balance.
 - Added Western Skyways Inc. Pilots Operating Handbook Supplement to Flight Manual.

The aircraft, airframe, engine, propeller, and/or appliance identified above was repaired and/or inspected in accordance with current Regulations of the Federal Aviation Administration and is hereby returned to service. Pertinent details are on file at this Repair Station on above work order.

Signature

Repair Station Number

Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712				
8/19/2020, Tach. 627.4, TSOH 627.4/10-19-2016, Hobbs 1574.0				N9410Q Engine Log Entry
- Drained engine oil. Removed and inspected oil filter. No abnormal contaminants noted in filter. - Serviced engine W/11 Quarts Aeroshell 15W50 oil and new AA48109 filter. - Removed vacuum pump and installed cover plate W/New gasket P/N MS913401, per owner's request. See airframe log entry for details of vacuum system removal. - Performed engine run. Operational and leak checks were good.				
Manuel Burgos A&P				

Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712
3/17/2021, Tach. 693.9, TSOH 693.9/10-19-2016, Hobbs 1644.2 N9410Q Engine Log Entry

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- Drained engine oil. Removed and inspected oil filter. No abnormal contaminants noted in filter.
- Serviced engine W/11 Quarts Aeroshell 15W50 oil and new AA48109 filter.
- Performed engine run. Operational and leak checks were good.

Travis Reynolds
10/21/2020 T-651.8 ETT-704.8 100 hr/Annual Inspection
Compression Test-66, 74, 66, 66, 64, 67/80 M.O.-44
Removed all sparkplugs, clean inspect gap and reinstall all sparkplugs.
Change oil and filter. Serviced with 11 quarts of AS 15W50 oil and a
CH48109-1 oil filter. Checked magneto timing to 22 degrees. Replaced
engine air filter, PN-P105304. Check all belts, hoses, and engine mount for
condition and wear. Replaced AC discharge hose. Inspected intake and
exhaust systems. Ran engine to full power and checked all systems. All
checks were normal. All work performed IAW FAR43, Appendix D and
AC43.13 1B/2A and applicable maintenance manual. This engine is
returned to service. Charles Schandelmeier, IA3575997

I CERTIFY THAT THIS Engine HAS
BEEN INSPECTED IN ACCORDANCE WITH A
100 hr/Annual INSPECTION AND WAS FOUND
TO BE IN AIRWORTHY CONDITION.

Out of Order

Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712
7/15/2021, Tach. 754.9, TSOH 745.9/10-19-2016, Hobbs 1706.7 N9410Q Engine Log Entry

- C/W Textron SEL-79-03 Connecting Rod Piston Pin Bushing Inspection I/A/W Continental CSB07-01A by straining engine oil. No piston pin bushing material was noted. Reinstalled oil quick drain valve W/New gasket P/N MS35769-11.
- Removed and inspected oil filter. No abnormal contaminants noted in filter.
- Serviced engine W/11 Quarts Aeroshell 15W50 oil and new AA48109 filter.
- Performed engine run. Operational and leak checks were good.

Nate Hinton A&P
Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712

1/28/2021, Tach. 667.9, TSOH 667.9/10-19-2016, Hobbs 1617.2 N9410Q Engine Log Entry

- Inspected engine for owner squawked oil leak. Cleaned back off engine and performed engine runs. Found oil leaking from oil pump/tachometer drive cover.
- Disassembled exhaust and induction system for access to oil pump. Removed oil pump/tachometer drive cover cleaned and inspected. Reassembled oil pump/tachometer drive cover I/A/W TCM IO 550 overhaul manual using sealant and silk thread as specified in 16-5.1.1 and 16-5.1.2. Torqued nuts to 85 Inch LBS per appendix B specifications.
- Reassembled exhaust and induction system as previously remove for access.
- Performed engine runs. Operational and leak checks were good at this time.

Manuel Burgos A&P

Out of Order

Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712
9/20/2021, Tach. 810.8, TSOH 810.8/10-19-2016, Hobbs 1763.4 N9410Q Engine Log Entry

- Drained engine oil. Removed and inspected oil filter. No abnormal contaminants noted in filter.
- Serviced engine W/11 Quarts Aeroshell 15W50 oil and new AA48109 filter.
- Performed engine run. Operational and leak checks were good.

William Dorothy A&P

11/17/2021 T-834.4 ETT-UNKNOWN TSMOH-887.4
100 hr/Annual Inspection Compression Test-64, 62, 74, 60, 73, 64/80
Removed all sparkplugs, clean inspect gap and reinstall all sparkplugs.
Change oil and filter. Serviced with 19 quarts of AS 15W50 oil and a
CH48109-1 oil filter. Checked magneto timing to 22 degrees. Inspected
engine air filter. Check all belts, hoses, and engine mounts for condition
and wear. Inspected intake and exhaust systems. Replaced starter drive
adaptor, PN-642087A68, SN-CAM20-078 and new starter, PN-C12ST5,
SN-H-V0771333. Ran engine to full power. All checks were normal. All
work performed IAW FAR43, Appendix D and AC43.13 1B/2A and
applicable maintenance manual. This engine is returned to service.
Charles Schandelmeier, IA3575997

I CERTIFY THAT THIS Engine HAS
BEEN INSPECTED IN ACCORDANCE WITH A
100 hr/Annual INSPECTION AND WAS FOUND
TO BE IN AIRWORTHY CONDITION.

Summit Aviation LLC 2440 SW Aviation St. Bentonville, AR 72712
12/22/2021, Tach. 861.6, TSOH 861.6/10-19-2016 N9410Q Engine Log Entry

- Drained engine oil. Removed and inspected oil filter. No abnormal contaminants noted in filter.
- Serviced engine W/11 Quarts Aeroshell 15W50 oil and new AA48109 filter.
- Performed engine run. Operational and leak checks were good.

Jonathan Taylor Moore A