



ENGINE MAINTENANCE RECORDS

Log No. 001

Aircraft Registration No. N731NU

Engine Manufacturer CONTINENTAL

Model TS10-520-P

Serial No. 513514

Date installed on aircraft _____

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|-------------------------------|
| ☐ Right | ☐ Left |
| ☐ Front | ☐ Rear |



AEROTECH PUBLICATIONS INC.

www.adlog.com
PO BOX 1359 / SOUTHOLD, NY 11971-0965
(631) 765-9375
1-800-235-6444
FAX: (631) 765-9359

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
02-13-01	3205.25	582.25		① 64 ② 67 ③ 71 ④ 72 ⑤ 69 ⑥ 72 OVER 80 CLEANED, GAPPED AND TESTED SPARK PLUGS. REPLACED EXHAUST GASKETS ON CYLINDERS # ONE AND SIX. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL/100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <i>RL Chapman</i> ATP 2536668 IA OIL CHANGED WITH 9 QTS AEROSHELL 15W-50. REPLACED OIL FILTER WITH CHAMPION 48108. <i>RL Chapman</i> ATP 2536668
05-20-01	3216.93			OIL CHANGED WITH 9 QTS AEROSHELL 15W-50. REPLACED OIL FILTER WITH CHAMPION 48108. <i>RL Chapman</i> ATP 2536668
08-20-01	3269.76			OIL CHANGED WITH 9 QTS AEROSHELL 15W-50 REPLACED OIL FILTER WITH CHAMPION 48108. <i>RL Chapman</i> ATP 2536668
12-20-01	3287.06			



N6187 Resource Dr.
Sheboygan Falls, WI 53085

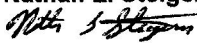
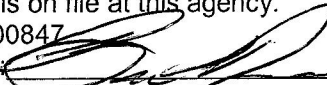
December 20, 2001
N731NU (CESSNA P-210N s/n P21000512)
TACH: 3287.0 // HOBBS: 2116.4

REMOVED #4 CYLINDER AND REPLACED WITH NEW TELEDYNE CONTINENTAL CYLINDER ASSY. P/N # 655470A2BP.
REMOVED AND REPLACED STARTER CLUTCH DRIVE WITH O/H UNIT P/N 635050 A4, S/N S122159-1, UNIT WAS O/H BY AIRCRAFT SPECIALTIES SERVICES, YELLOW TAG W/O# 122159, DATED 12/12/01.
REPLACED ALTERNATOR BELT WITH NEW P/N S2416-1-13.0.
ENGINE WAS GROUND RUN AND LEAK CHECKED.

Mech./IA *Troy Kim Sluys* Certificate AGP 399704858 IA

				OIL CHANGED WITH 9 QTS AEROSHELL 15W-50
				REPLACED OIL FILTER W/CHAMPION 48108 DURING ABOVE SERVICE.
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	3287.00	664.0		TOTALS brought forward from previous page
04-01-02	3292.50	669.5	3292.50	① 66 ② 69 ③ 70 ④ 75 ⑤ 70 over 80. CLEANED, GAPPED AND TESTED SPARK PLUGS. REPLACED TWO CONNECTORS ON FUEL FLOW METER FOR TOTALIZER. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL / 100 HR. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. R.D. Champion AIP 2536668 JA.
04-01-02	3292.50	669.5	3292.5	OIL CHANGED WITH 9 QTS. AEROSHELL 15W-50 REPLACED OIL FILTER WITH CHAMPION 48108. R.D. Champion AIP 2536668
7-7-02	3298.0	675.50	3298.0	OIL CHANGED WITH 9 QTS. AEROSHELL 15W-50 REPLACED OIL FILTER WITH CHAMPION 48108. R.D. Champion AIP 2536668.
1-22-03	3328.3	705.8	3328.3	OIL CHANGED WITH 9 QTS. AEROSHELL 15W-50 REPLACED OIL FILTER WITH CHAMPION 48108. R.D. Champion AIP 2536668
I certify that this aircraft engine has been inspected in accordance with a <u>100 HOUR</u> inspection and was de- termined to be in airworthy condition. With respect to the work performed and is approved for return to service. Signed: <u>Steve Thibault</u> Martin Aviation, Maintenance 19300 Ike Jones Road Santa Ana, CA 92707 RS Cert. # M8VR406N DATE <u>7-23-07</u> T.T. <u>746.4</u> W.O. <u>10207</u> Tach/hobbs: <u>3267.45</u>				* CHANGED OIL & FILTER SERVICED WITH AEROSHELL 15W50 OIL ① 68 ② 60 ③ 72 ④ 74 ⑤ 74 ⑥ 65/80 * CLEANED FUEL NOZZLES * SOLVENT WASHED AND LOBED CONTROLS * RUN UP AND LEAK CHECKED GOOD * INSPECTION NOTE, CRACK IN ENGINE CRANKCASE GOING UP FROM #5 CYLINDER TOP FORWARD STD 1" PLUS IN LENGTH IN THE NON-CRITICAL AREA. SCRIBE MARKED CRACK HAD TO BE 5/8" 40-17 AS REQUIRED REINSPECT IN THE NEXT 50 HOURS IF NO PROGRESSION WHEN REINSPECT EVERY 100 HOURS. CRACK LIMIT IS 2" LONG NOT LEAKING OIL — END —
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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				TOTALS brought forward from previous page
 785-354-7055 Billard Airport Topeka, KS 66616 12-17-2004 Tach: 3576. hrs Engine Log N731NU TSIO-520 W.O. #04-1168 Install new LT exhaust stack risers from Knisley welding. Replaced both fwd turbo/W.G. mounts. . Change oil and filter and serviced with Aeroshell 15w50. Test ran  KEITH HETRICK				
25 JAN 05	1001.3	3624.3		CHANGED OIL + FILTER WITH 7 QTS 15W-50 AEROSHELL + CHAMPION 48108-1 FILTER. JAPN
HAMPTON ROADS CHARTER SERVICE  5196 W. Military HWY Chesapeake, V.A. 2321 (757) 827-5253				
05-06-05 N731NU Hobbs:3671.0 Drained engine oil and removed oil filter. Installed new oil filter and serviced engine with 10 quarts of Aeroshell 15W-50. Removed turbo and wastegate sent to Approved Turbo Components for overhaul, re-installed overhauled turbo and wastegate. Removed all fuel injectors and installed new Gamijectors in accordance with S.T.C. SE09289SC, see 337 this date. Post operational test of above work was good, no leaks. Nathan L. Steigenga A&P373985852/IA 				
 2100 Aviation Way Benedum Airport Bridgeport WV 26330 304-842-3591				
Year	Manufacturer	Model	Aircraft	Tach Time
1980	CESSNA	210	N731NU	3668.19
REMOVED AND REPLACED STARTER SELENOID CONTACTOR P/N S2443-2 AND OPS CHECK GOOD. IAW CESSNA 210 SERVICE MANUAL.				
Maintenance Release Aircraft and/or component identified above was repaired and inspected in accordance with current FAA regulations and found airworthy for return to service. Repair details on file at this agency. Work Order No. 04-00847 Authorized Signature:  Date: 4-7-05 Certificated Repair Station LJQR100G				
KCI 0023 1/2004				
				SUB-TOTALS this page
				TOTALS —Carry forward to next page

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TROPIC AIRPOWER FAA Overhaul Repair Station T7KR187Y
2633 LANTANA RD. SUITE 46 HANGAR 1301
LANTANA, FLORIDA 33462

Ph/fax 561-964-8770 www.tropicairpower.com

Date 11-08-2005 Work Order# -954- Engine s/n 373514-
This Engine/PowerPlant is zero time since Major overhaul. Engine has been test run, is airworthy and approved for return to service. Eligibility is TBV by the installer. Details of work on record at this repair shop. Detail paper work given with engine @ delivery.

Mark Young CSM

No tested components CSM - R



Date: 12-08-2005

N731NU

Tach: 3676.5

Removed and re-installed engine after being overhauled by Tropic Airpower. Set up fuel flow parameters per TCM SID97-3 and riley intercooler installation instructions. Set proper max RPM @ 2700 by adjusting prop governor. Serviced engine with 10 quarts of Phillips 20W-50. Post operational test of above work was good.
 Performed annual inspection in accordance with the Cessna and TCM TSIO-520 series service manuals and I have determined that this engine is in airworthy condition.

Nathan L. Steigenga

A&P 373985852

NLS



Date: 02-07-2006

N731NU

Hobbs: 3685.0

Drained oil and removed filter. Installed new CH48109-1 oil filter and serviced engine with 10 quarts of Aeroshell 15W-50. Post operational test of above work was good, no leaks.

Nathan L. Steigenga

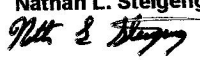
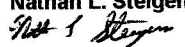
A&P 373985852

NLS

19 MAY 06	49.5	49.5	3725.0	CHANGED OIL + FILTER WITH 9 QTS OF AEROSHELL 15W-50 + CH48109-1 FILTER. POST OPERATIONAL CHECK WITH NO LEAKS. Jeffery M. Porter A&P 2555285
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				 Hampton Roads Charter Service 5195 Williams Ferry Chesapeake, VA 23321 Date: 06-12-2006 N731NU Tach: 3736.7 Removed and replaced turbo exit exhaust tailpipe. Added oil temp option to existing EDM-800. Removed and re-installed R.H. fuel header tank after repairing and pressure testing. Post operational test of above work was good, no leaks. Nathan L. Steigenga A&P 373985852 
18 Dec 06	96.5	96.5	3772.5	Changed Oil + Filter with 9 qts of Aeroshell 15W-50 + CH48109-1 Filter. Operational check showed no leaks. J. M. P. Jeffery R. Parker ATP 2555283
				 Hampton Roads Charter Service 5195 Williams Ferry Chesapeake, VA 23321 Date: 1-04-2007 N731NU Tach: 3772.5 Performed annual inspection in accordance with the Cessna and TCM TSIO-520 series service manuals and I have determined that this engine is in airworthy condition. Cylinder compressions were as follows: #1 76/80 #2 77/80 #3 75/80 #4 77/80 #5 73/80 #6 79/80. Nathan L. Steigenga A&P 373985852 
8 MAR 07	143.5	143.5	3819.5	Changed Oil + Filter with 8 qts of Aeroshell 15W-50 + CH48109-1 Filter. Operational check showed no leaks. J. M. P. ATP 2555283 Jeffery R. Parker
24 Sep 07	178.0	178.0	3861.0	Changed Oil + filter with 8 qts of Aeroshell 15W-50 + CH48109-1 filter. Operational check showed no leaks. J. M. P. Jeffery R. Parker ATP 2555283
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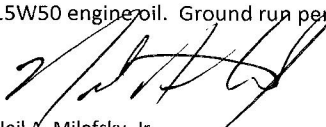
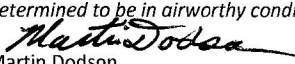
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7/3/08				 LANDMARK AVIATION 100 Aviation Drive, Suite 100 Charlottesville, VA 22911 Tel (434) 978-1474 CRS# H00R564Y N# 731NU Model P210A SN# P2100512 Hobbs 2116.4 WO# S005988 Date 7-03-2008 Removed starter P/N 646275-1R S/N F092985 and installed an overhauled starter P/N 646275-1R S/N H121816. Performed a ground run for an operational check and no defects were noted. All maintenance was done in accordance with Cessna P210A maintenance manual. Maintenance Release Make: <u>Cessna</u> Model: <u>P210A</u> Serial No: <u>P2100512</u> The Aircraft-Airframe-Engine-Propeller-or Appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on file at this agency under Work Order # <u>S005988</u> Dated: <u>7-3-2008</u> Authorized Signature: <u>[Signature]</u> Recorded Time: <u>2116.4</u> Repair Station No. H00R564Y
				 MERIDIAN AIR GROUP 335 Industrial Drive Louis VA 23093 540-967-5339 N#: 731NU Model: TSO-520-P S/N: 513514 TT: 4028.0 WO: W08-0172 Date: 09/17/08 Drained oil, removed oil filter and inspected, no metal found. Installed a new CH48108-1 oil filter. Serviced engine with 10 quarts Phillips 20W50 XC oil. Removed all spark plugs, cleaned, gapped, tested and reinstalled spark plugs. Complied with AD 96-12-22, oil filter adapter by inspection, next due 4128.0 or when oil filter is removed. Ground run and leak check good. [Signature] Gregory J. Armstrong A&P 230213855
				N#: 731NU WO#: A08-1425 DATE: 11/21/2008  FAA REPAIR STA. #RSUR804H VARS-115 Removed and replaced the Alternator Field connector with new contact AMP P/N 640903-1. Alternator ramp checked good. End. Signature: <u>[Signature]</u>
				TOTALS —Carry forward to next page

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				MERIDIAN AIR GROUP 335 Industrial Drive Louisa VA 23093 540-967-5339 N#: 731NU Model: TCM TSIO-520-P S/N: 513514 TT: 4079.76 TSMOH: 403.26 WO: W08-0231 Date: 01/16/09 Complied with Annual Inspection in accordance with Cessna P210 series AMM inspection guide. Drained oil, oil sample taken for analysis, removed filter and inspected, no metal noted. Installed new filter, serviced engine with 10 quarts 15W50 Aeroshell. Cleaned, gapped and tested spark plugs, reinstalled using new gaskets. Checked magneto to engine timing. Removed and cleaned fuel injection nozzles, reinstalled using new seals. Complied with AD 96-12-22 by inspection and torque check of the oil filter adapter, next due at next oil change. Compressions checked as follows: #1 68/80, #2 64/80, #3 NA, #4 66/80, #5 65/80, #6 66/80. Removed #3 cylinder for repairs. Reinstalled overhauled exchanged cylinder stud assembly, PN 655470CN supplied by Triad Aviation under WO# 17729. Installed with new gaskets, rings and seals. Removed #5 cylinder for repairs. Reinstalled overhaul exchanged stud assembly, PN 655470CN supplied by Triad Aviation under WO# 17729. Installed with new rings, gaskets and seals. Removed fuel pump, PN 646768-1, SN C118674BB. Installed overhauled pump PN 646768-1, SN B00LA045R. Pump overhauled by Mike's Aircraft Fuel Metering Service under WO#21563. Complied with TCM SID 97-3E fuel injection system setup. Adjusted unmetered pressure to 6.2 PSI. Metered pressure set to 19.0 PSI, idle speed 650 RPM with a 50 RPM rise at shutdown. Cleaned engine, performed ground run ops checks, no defects noted. All work done MERIDIAN AIR GROUP 335 Industrial Drive Louisa VA 23093 540-967-5339 N#: 731NU Model: TCM TSIO-520-P S/N: 513514 TT: 4079.76 TSMOH: 403.26 WO: W08-0231 Date: 01/16/09 in accordance with P210 series AMM and TSIO-520 series overhaul manual. I certify that this ENGINE has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. <i>Martin Dodson</i> Martin Dodson A&P/IA 230869136 N#: 731NU WO#: A09-1125 DATE: 3/26/2009 VA Virginia Aviation FAA REPAIR STA. #RSUR804H VAR5-115 Re-secured the alternator field connector and replaced missing alternator ground stud nut. Ran engine and alternator ramp checked good. Signature: <i>[Signature]</i>
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				MERIDIAN AIR GROUP 335 Industrial Drive Louisa VA 23093 540-967-5339 N#: 731NU Model: TSIO-520-P S/N: 513514 TT: 4174.87 WO: W09-0436 Date: 10/22/09 Drained oil, sample taken for analysis. Removed filter and inspected, no metal noted. Installed new filter. Serviced engine with 10 quarts 15W50 Aeroshell. Cleaned and tested lower plugs. Reinstalled using new gaskets. Complied with Cessna P210N 50-hr inspection. Cleaned engine. Performed ground run checks, no defects noted at this time.  Martin Dodson A&P 230869136
				MERIDIAN AIR GROUP 335 Industrial Drive Louisa VA 23093 540-967-5339 N#: 731NU Model: TCM TSIO-520-P S/N: 513514 Tach: 4200.34 SMOH: 523.84 WO: W09-0475 Date: 01/11/10 Removed engine for inspection and repair. Engine removed from N731NU, Cessna P210N, SN 021000512.  Martin Dodson A&P 230869136
				MERIDIAN AIR GROUP 335 Industrial Drive Louisa VA 23093 540-967-5339 N#: 731NU Model: P210N S/N: P21000512 Tach: 4145.74 WO: W09-0401 Date: 09/01/09 Removed left magneto. Disassembled magneto and complied with 500-hour inspection. Removed and replaced contact points and cam. Removed and replaced distributor block and gear assembly. Set internal timing and assembled the magneto. Installed using a new gasket and set mag to engine timing. Ground run and ops check good.

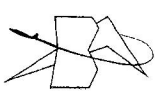
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				 MERIDIAN AIR GROUP 335 Industrial Drive Louisa VA 23093 540-967-5339 N#: 731NU Model: TSIO-520 S/N: 513514 Tach: 4223.18 WO: W10-0576 Date: 04/29/10 Drained oil, removed filter and inspected; no metal noted. Installed new filter. Serviced engine with 9 quarts 15W50 Aeroshell. Complied with AD 96-12-22 by inspection and torque check of oil filter adapter; no defects noted; next inspection due at oil filter change. Checked engine compression: #1 70/80, #2 75/80, #3 74/80, #4 78/80, #5 75/80, #6 73/80. Cleaned engine. Ground run and leak checked; no defects noted.  Martin Dodson A&P 230869136  MERIDIAN AIR GROUP 335 Industrial Drive Louisa VA 23093 540-967-5339 N#: 731NU Model: P210N S/N: P21000512 Tach: 4255.67 WO: W10-0621 Date: 07/02/10 Drained oil, removed oil filter and inspected; no metal found. Installed a new CH48108-1 oil filter. Serviced engine with 9 quarts Aeroshell 15W50. Ground run and leak check good. Complied with AD 96-12-22, Cessna oil filter adapter by inspection; no defects found; next due when oil filter is removed.  Gregory J. Armstrong A&P 230213855  MERIDIAN AIR GROUP 335 Industrial Drive Louisa VA 23093 540-967-5339 N#: 731NU Model: TSIO-520-P S/N: 513514 Tach: 4290.29 WO: W10-0676 Date: 09/07/10 Drained oil, removed oil filter and inspected; no metal found. Installed a new CH48108-1 oil filter. Serviced engine with 10 quarts Aeroshell 15W-50 oil. Complied with AD 96-12-22, Cessna oil filter adapter by inspection; no defects found; next due when oil filter is removed. Ground run and leak check good.  Gregory J. Armstrong A&P230213855
				TOTALS—Carry forward to next page

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				 MERIDIAN AIR GROUP 335 Industrial Drive Louisa VA 23093 540-967-5339 N#: 731NU Model: TSIO-520-P S/N: 513514 Tach: 4324.9 WO: W11-0774 Date: 01/27/11 Drained oil. Took sample for analysis. Removed filter and inspected; no metal noted. Installed CH48108-1 oil filter and safetied. Added 10 quarts Aeroshell 15W50 engine oil. Ground run performed. Leak check satisfactory.  Neil A. Milofsky, Jr. A&P 3098949
				 MERIDIAN AIR GROUP 335 Industrial Drive Louisa VA 23093 540-967-5339 N#: 731NU Model: TCM TSIO-520-P S/N: 513514 Tach: 4342.33 SMOH: 665.83 WO: W11-809 Date: 04/13/11 Complied with Annual Inspection in accordance with Cessna P210 series AMM inspection guide. Drained oil, oil sample taken for analysis, removed filter and inspected, no metal noted. Installed new filter, serviced engine with 10 quarts 15W50 Aeroshell. Cleaned, gapped and tested spark plugs, reinstalled using new gaskets. Checked magneto to engine timing. Removed and cleaned fuel injection nozzles, reinstalled using new seals. Complied with AD 96-12-22 by inspection and torque check of the oil filter adapter, next due at next oil change. Compressions checked as follows: #1 66/80, #2 64/80, #3 76/80, #4 69/80, #5 74/80, #6 73/80. Cleaned engine, performed ground run ops checks, no defects noted. All work done in accordance with P210 series AMM and TSIO-520 series overhaul manual. <i>I certify that this ENGINE has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.</i>  Martin Dodson A&P/IA 230869136
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NOTE: SEE AIRFRAME LOG FOR 10/10/11 GIL CHANGE

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 BYERLY AVIATION, INC. GREATER PEORIA AIRPORT PEORIA, IL 61607 (309) 697-6300 Fax (309) 697-9663 				
Sept.26, 2012			N731NU	Serial N. P21000512 Engine S.N. 513514 Removed cowl and required intake assembly, removed oil filter, inspected For excessive contamination checked OK. Installed new filter. Performed AD 96-12-22 part 5 (b)&2 checked OK at this time. Serviced oil system with required amount of Phillips 20W50 oil. Wash filter area, run up ops check And leak check OK I certify that this work has been inspected and is determined to be in airworthy Condition and approved for return to service with respect to the work performed. Byerly Aviation Inc Peoria IL Repair Station 9BYR801B Signature 
 MERIDIAN AIR GROUP				
Culpeper Regional Airport 12539 Beverly Ford Road Brandy Station, VA 22714 540-825-9711		N#: 731NU Model: TCM TSIO-520-P Tach 4572.03 WO: W13-1171 SN: 513514 Date: 02/25/13		
Changed oil and filter. Filter inspection satisfactory. Installed new CH48108-1 filter and serviced engine with 10 quarts Phillips 20W50 and 16 ozs. of AVBlend. Cleaned engine and ground run; leak check ok. Complied with AD 96-12-22 by inspection of oil filter adapter; no defects noted; next due at next oil change.  Charlie Schoenduby A&P 3152411				
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TOTALS—Carry forward to next page

DATE

MERIDIAN AIR GROUP

Culpeper Regional Airport
12539 Beverly Ford Road
Brandy Station, VA 22714
540-825-9711

Registration: N731NU
Model: TCM TSIO-520-P
S/N: 513514
Tach: 4689.31
W/O#: W14-1100
Date: 07/22/2014

Complied with **Annual Inspection** using Cessna P210 MM Inspection Checklist as a guide meeting the requirements of 14 CFR Part 43 Appendix D. Drained oil, sample taken for analysis. Removed filter, opened and inspected; no metal noted. Installed new filter and serviced engine with 8 quarts Phillips 20W50 and 2 bottles of Avblend oil additive. Compressions checked as follows: #1 77/80, #2 63/80, #3 77/80, #4 77/80, #5 76/80, #6 79/80. Cleaned, gapped and tested spark plugs. Reinstalled using new gaskets. Checked magneto to engine timing. Installed new magneto filter (PN: 1396-2). Complied with **AD 96-12-22** Oil filter adapter (Eff. date 07/31/1996) by inspection per AD par. (b); no defects noted; next inspection due at Tach 4789.31 or when oil filter is removed. Complied with **AD 84-26-02** - Induction air filter (Eff. date 01/29/1985) by inspection of induction air filter; no defects noted; next inspection due Tach 4789.31 or JUL 2015; next replacement due Tach 5089.61. Removed fuel injection nozzles, cleaned and reinstalled with new o-rings and washers. Leak checked injection system; no leaks noted. Installed all new spark plugs (PN: RHB32E). Checked induction system; replaced duct from intercooler to fuel control unit and secured clamps. Tensioned alternator belt and safetied. Removed #2, 4 and 6 exhaust risers. Reinstalled using new gaskets and hardware. Installed new oil drain cover panel. Cleaned engine. Performed ground run ops checks and leak checked; no defects noted.

I certify that this ENGINE has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Signature: Martin Dodson A&P 3664335
Martin Dodson

MERIDIAN AIR GROUP

Culpeper Regional Airport
12539 Beverly Ford Road
Brandy Station, VA 22714
540-825-9711

Registration: N731NU
Model: TCM TSIO-520-P
S/N: 513514
Tach: 4765.23
W/O#: W15-2648
Date: 08/21/2015

- Complied with **Annual Inspection** using Cessna P210 MM Inspection Checklist as a guide meeting the requirements of 14 CFR Part 43 Appendix D.
- Drained oil, sample taken for analysis. Removed filter, opened and inspected; no metal noted. Installed new filter and serviced engine with 8 quarts Phillips 20W50 and 2 bottles of Avblend oil additive.
- Compressions checked as follows: #1 77/80, #2 71/80, #3 77/80, #4 70/80, #5 73/80, #6 67/80.
- Cleaned, gapped and tested spark plugs. Reinstalled using new gaskets. Checked magneto to engine timing.
- Complied with **AD 84-26-02** - Induction air filter (Eff. date 01/29/1985) by inspection of induction air filter; no defects noted; next inspection due Tach 4865.23 or AUG 2016; next replacement due Tach 5089.61.
- Complied with **AD 96-12-22** Oil filter adapter (Eff. date 07/31/1996) by inspection per AD par. (b); no defects noted; next inspection due at Tach 4865.23 or when oil filter is removed.
- Removed fuel injection nozzles, cleaned and reinstalled with new o-rings. Leak checked injection system; no leaks noted.
- Checked induction system; replaced duct from intercooler to fuel control unit and secured clamps.
- Removed alternator for repair. Installed heat shrink over exposed field wire. Reinstalled alternator after repair; secured and safetied hardware. Set tension on belt and safetied.
- Resecured #4 cylinder EGT clamp.
- Cleaned engine. Performed ground run ops checks and leak checks; no defects noted.

I certify that this ENGINE has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Signature: Martin Dodson A&P/IA 3664335
Martin Dodson

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE

TOTAL
TIME
IN
SERVICE**LANDMARK
AVIATION**

CRS# H00R564Y

N# 731NU
Model P210N
SN# P21000512
Tach 4788.8
WO#S12-15-02941
Date 12-16-2015

100 Aviation Drive, Suite 100
Charlottesville, VA 22911
Tel (434) 978-1474

Drained oil and removed filter, inspected filter element for metal, none found. Installed new filter p/n CH48108-1 and secured. Added 10 qts of Phillips 20W50 to engine. Complied with AD 96-12-22 inspection of oil filter adapters, no defects noted. This AD 96-12-22 is due again at tach 4888.8 or next time oil filter is removed. Removed and replaced #2 EGT probe p/n MM-111 off, p/n M-111 On. Installed new heat exchanger tube coupler p/n RR-071004-1 to servo/venturi. Removed and replaced oil dip stick o-ring p/n AS3570-011 off/on. Performed a engine run for a leak and operational check, no defects noted. All maintenance was done in accordance with Cessna P210N maintenance manual.

The aircraft - Airframe - Engine - Propeller - or Appliance Identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of this repair are on file at this agency under the work order identified above.

Daniel Little

Authorized Signature

CRS#H00R564Y

Form LB-1

**Aero
ENGINES**
OF WINCHESTER, INC.

615 AIRPORT ROAD #109 • WINCHESTER, VA 22602
(540) 678-1661

N731NU TACH 4810.22

JULY 6, 2016

INSTALLED NEW LH EXHAUST
STACK AND NEW V-BAND TRANSITION
CLAMP

AP 3359966

Classic Aviation, LLC

Shenandoah Valley Regional Airport
Weyers Cave, VA 24486

N731NU**W/O # 16101804**Date 12/01/2016

Hourmeter _____

Tach 4811.3ACTT 4811.3**ENGINE LOG**ENG TT 4811.3SMOH 1134.8

Drained oil; cut and checked filter. No defects noted. Installed new AA48108-2 oil filter and serviced engine with 8 qts. Phillips 20W50 oil. Compression check: 1)76 2)52 3)76 4)70 5)78 6)77. Master orifice minimum is 43 per SB03-3. Borescoped engine cylinders. Cleaned, gapped, tested and rotated spark plugs. Checked magneto to engine timing. C/W AD 96-12-22: Inspected oil filter adapter per para (b). No defects noted. Next due at oil filter change, not to exceed 100 hours. Turned idle speed up ¼ turn and leaned idle mixture ½ turn. Ground run normal. No leaks noted.

Completed inspection this date in accordance with Cessna P210N maintenance manual and Classic Aviation, LLC, annual inspection guide. I certify that this Engine has been inspected in accordance with a 100-Hour Inspection and was determined to be in airworthy condition.

Signed

Classic Aviation, LLC

Dean Showalter
A&P # 3126788

PAGE 1 OF 2
Form LB-1

Signature.
FLIGHT SUPPORT
A BBA Aviation company
 100 Aviation Drive, Suite 100
 Charlottesville, VA 22911
 Tel (434) 978-1474

CRS# H00R564Y

N# 731NU
Model TSIO-520-P
SN 513514
Tach 4855.08
SMOL 1178.58
WO# S12-18-03863
Date 03-26-2018

Complied with AD96-12-22 inspection of oil filter adapters by visual inspection, no defects noted, this AD96-12-22 is due again at next oil change.
All AD's have been checked through 03-2018. All maintenance was done in accordance Cessna P210N maintenance manual

I certify that this Engine was inspected in accordance with an Annual inspection and was found to be in an airworthy condition. OK for return to service.

Daniel Little

CRS#H00R564Y

PAGE 2 OF 2
Form LB-1

11/21/18	4906.8	4906.8	Owner/operator drained oil, removed and replaced oil filter Champion PN CH48108-1 and safety wired. Cut and inspected old Filter for metal, none found. Added 9 qts of Phillips 20W50 oil and leaked checked.
			SUB-TOTALS this page <i>Michael Vanden</i> cert # 3490447
			TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
11/21/18	4906.8		4906.8	Owner/operator complied with AD 96-12-22 by inspecting the oil filter adapter torque putty per para 2(b). No cracks or oil leakage. Next due when oil filter removed.
				Michael V. Little Cert #3490447

Signature

FLIGHT SUPPORT
A BBA Aviation company

100 Aviation Drive, Suite 100
Charlottesville, VA 22911
Tel (434) 978-1474

CRS# H00R564Y

N# 731NU
Model TSIO-520-P
SN 513514
Hobbs 4916.7
Tach 1232.04
SMOL 1240.20
WO# S12-19-04433
Date 06-03-2019

Completed an Annual, 100 hr inspection in accordance with Cessna P210N maintenance manual inspection guide. Drained the oil and removed the filter, inspected the filter element for metal, none found. Installed new filter p/n CH48108-1 and secured, serviced the engine with 10 qts of Phillips 20W50XC oil. Compressions were: #1 72/80 #2 72/80 #3 66/80 #4 70/80 #5 77/80 #6 76/80. Cleaned, gapped and tested all spark plugs, replaced 2 ea spark plug p/n RHB-32E off/on that failed inspection. Checked the magneto to engine timing. Checked idle and mixture settings. Performed a ground run for a leak and operational check, no defects noted. Complied with AD96-12-22 inspection of oil filter adapters by visual inspection, no defects noted, this AD96-12-22 is due again at next oil change. All AD's have been checked through 06-2019. All maintenance was done in accordance Cessna P210N maintenance manual.

I certify that this Engine was inspected in accordance with an Annual inspection and was found to be in an airworthy condition. OK for return to service.

The aircraft - Airframe - Engine - Propeller - or Appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of this repair are on file at this agency under the work order identified above.
Daniel Little CRS#H00R564Y

Daniel Little

Form LB-1

2/27/20 Hobbs 4964.0 Owner/Operator drained oil, removed and replaced Champion CH48108-1 oil filter, and safety wired. Cut and inspected old filter for metal, none found. Added 9 qts of Phillips 20W50 oil and leak checked. Complied with AD 96-12-22 by inspecting the oil filter adapter torque putty per para 2(b). No cracks or oil leakage noted. Next due when oil filter removed.

Michael V. Little

Cert #3490447

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<i>Signature</i> FLIGHT SUPPORT A BBA Aviation company 100 Aviation Drive, Suite 100 Charlottesville, VA 22911 Tel (434) 978-1474 CRS# H00R564Y N# 731NU Model TSIO-520-P SN 513514 Hobbs 4972.3 Tach 1282.7 SMOL 1290.5 WO# S12-20-04808 Date 08-17-2020 Completed an Annual /100 hr inspection in accordance with Cessna P210N maintenance manual inspection guide. Drained the oil and removed the filter, inspected the filter element for metal, none found. Installed new filter p/n CH48108-1 and secured, serviced the engine with 10 qts of Phillips 20W50XC oil. Compressions were: #1 66/80 #2 64/80 #3 70/80 #4 70/80 #5 70/80 #6 76/80. Cleaned, gapped and tested all spark plugs. Checked the magnetos to engine timing, adjust timing on both to engine setting. Tightened all manifold & valve cover hardware and clamps. Checked idle and mixture settings. Performed a ground run for a leak and operational check, no defects noted. Complied with AD96-12-22 inspection of oil filter adapters by visual inspection, no defects noted, this AD96-12-22 is due again at next oil change. All AD's have been checked through 08-2020. All maintenance was done in accordance Cessna P210N maintenance manual. <i>I certify that this Engine was inspected in accordance with an Annual inspection and was found to be in an airworthy condition. OK for return to service.</i> The aircraft - Airframe - Engine - Propeller - or Appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of this repair are on file at this agency under the work order identified above. Daniel Little CRS#I100R564Y <i>David Little</i>

Form LB-1

wo: 5397

Engine - page 1 of 1



Classic Aviation - 69 Aviation Circle - Weyers Cave, VA 24486 - (540)234-0226

N731NU
TACH: 1329.7
AFTT: 5024.8
ENGINE

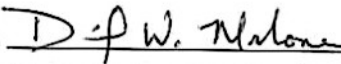
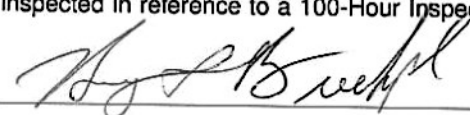
CONT MOTOR, TSIO-520 SER, S/N: ENGINE SN TBD**December 22, 2021**

Inspected this Engine in reference to Cessna P210 Series Service Manual, Continental Standard Practice Maintenance Manual, and the scope and detail of 14 CFR Part 43 Appendix D. Compressions: 1)70/80 2)71/80 3)63/80 4)70/80 5)74/80 6)73/80, Orifice 43. Borescoped all cylinders, nothing remarkable found. Drained oil. Cut and checked filter, nothing found. C/W AD 96-12-22 Engine Oil Filter Adapter Assemblies by visual inspection and torque check. No issues noted. This AD is due every time the oil filter is removed. Installed new oil filter P/N AA48108-2, torqued to 18 ft/lbs., and safety wired in place. Serviced engine with 9 qts. of Phillips 66 20W-50 oil. Installed new Rotocoil P/N SA629117-1 on cylinder #3 exhaust valve. Reinstalled valve cover with new Gasket P/N RG-534857 and torqued valve cover screws to 35 in/lbs. Installed #4 customer supplied Superior cylinder P/N SA52006-A1 S/N 526-J12-10976 after Repair by Triad Aviation Inc. W/O 26840 with gasket kit provided. Installed new Rocker Arm Shafts P/N 652984. Verified proper dry tappet clearance. Installed new valve cover gasket P/N RG-534857 and torqued to 35 in/lbs. Reinstalled Induction with new gaskets P/N 649959.

5. Reinstalled magnetos LH OFF/ON M/N 6320 S/N 05041935, RH OFF/ON: M/N 6320 S/N 09061353 with new gaskets after 500 Hour Inspection by Aircraft Ignition Services W/O 5833 and 5834. Set timing to 22° BTDC. Torqued mounting hardware to 120 in/lbs. Removed Exhaust. Hoisted forward portion of engine. Installed new shock mounts P/N J12453-6 and P/N 2150000-200 (modified J12453-6 from Textron). Installed shims P/N S1450-7N32-125 on forward engine mounts. Installed new RH engine mount barrel nut P/N 627773H. Installed new Forward engine mount bolts P/N AN7-41A and AN7-43A. All work done in reference to Cessna Service Information Letter SE83-14, dated 03-JUN-1983. Cleaned #6 CHT probe and inspected wiring. Performed operational check, no discrepancies. Removed, cleaned, and inspected fuel injector nozzles. Reinstalled fuel injector nozzles with new O-ring kit P/N ORW-6 and packings P/N 633958-3, torqued to 60 in/lbs. Installed 5 new spark plugs P/N RHB32E in cylinders 1-5 bottom location. Removed rust from turbo bracket, wastegate bracket, and support bracket. Inspected components. Reinstalled Brackets and Support with new hardware. Installed new exhaust stud P/N 657985-1.38 on cylinder #6 and torqued to 70 in/lbs. according to Continental Standard Practice Maintenance Manual. Reinstalled exhaust with new LH gaskets P/N RA628260. Welded hole in engine breather line and secured line to eliminate interference with other components. Inspected and installed serviceable Kelly Aerospace Turbocharger P/N C295001-0202 S/N YK006730 from Dawson Aircraft Inc. Order #20459. Post maintenance run-up and leak check satisfactory.

The above work was performed in reference to applicable maintenance manuals and other approved or acceptable data as appropriate. I certify that this Engine has been inspected as part of an Annual Inspection, was found to be in airworthy condition, and is released for return to service.

David Malone A&P IA 3879748

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
wo: 5950				Engine · page 1 of 1
 Classic Aviation · 69 Aviation Circle · Weyers Cave, VA 24486 · (540)234-0226				
N731NU AFTT: 5166.7 PROP SMOH: 1490.2		CONT MOTOR, TSIO-520 SER, S/N: ENGINE SN TBD ENG SMOH: 1490.2 TACH: 1471.6		February 16, 2023 HOBBS: 5181.5
ENGINE: Ran engine to operating temperature. Performed compression test. Cylinder #3 compression 27/80. Borescoped all cylinders, no defects noted. Staked #3 exhaust valve and reinstalled rocker cover. Compressions now: 1)77/80 2)72/80 3)72/80 4)74/80 5)78/80 6)74/80. Drained oil. Cut open and inspected oil filter, nothing found. C/W AD 96-12-22 Oil filter adapter assemblies, by visual inspection, no defects found. This AD is next due at oil filter removal, not to exceed 100 hours TIS. Next time due 1571.6 Tach. Installed new oil filter P/N AA48108-2, torqued to 18 ft/lbs. and safety wired in place. Serviced engine with 10 quarts of Phillips 66 20W-50 X/C oil. Removed and inspected fuel servo screen, small amounts of unidentified fiber found. Flushed out servo, cleaned screen, reinstalled with new gasket P/N 649983, and safety wired. Pressurized exhaust system, no leaks found. Removed, cleaned, inspected, gapped, and tested the spark plugs. Installed 1 new spark plug P/N RHB32E in the #6 lower position. Rotated and reinstalled remaining spark plugs with new copper gaskets, torqued to 30 ft/lbs. Rebuilt RH Magneto P-Lead. Operational check satisfactory. Corrected LH and RH magnetos timing to 22° BTDC and torqued mounting hardware to 120 in/lbs. Installed thicker washer on linkage on fuel/air linkage to prevent chaffing on servo housing. Operational check normal. Removed and replaced turbocharger with overhauled unit from Quality Aircraft Accessories W/O 098683, OFF P/N 465680-9004. S/N YK006730, ON P/N 465680-9004 S/N KH0183, using a new gasket P/N 640877. Pre-oiled turbo prior to post maintenance run-up. Operational check satisfactory, no leaks noted. Post maintenance run-up and leak check appeasing. The above work was accomplished in reference to applicable maintenance manuals and other approved or acceptable data as appropriate. I certify that this Engine has been inspected as part of an Annual Inspection Checklist, was found to be in airworthy condition, and is released for return to service. David Malone A&P IA 3879748 				
wo: 6459				Engine · page 1 of 1
 Classic Aviation · 69 Aviation Circle · Weyers Cave, VA 24486 · (540)234-0226				
N731NU TACH: 1516.8		CONT MOTOR, TSIO-520 SER, S/N: ENGINE SN TBD		April 17, 2024
Complied with engine inspection in conjunction with an annual inspection in reference to Cessna P210 Series Service Manual to include the scope and detail of 14 CFR Part 43 Appendix D. Cleaned, inspected, gapped, tested and rotated spark, plugs. Checked ignition timing at 20 degrees. Drained oil, cut and checked filter, no defects noted. Installed AA48-108-2 filter and filled with 9 qts. Phillips XC 20-50 oil. Ground run normal, no leaks noted. Complied with compression checks. #1- 65/80, #2- 64/80, #3- 51/80, #4- 58/80, #5- 64/80, #6- 72/80. Master orifice 36/80. Comply with oil and filter change. Drained oil, removed oil filter, cut open oil filter and inspected, found no metal particles. Installed a serviceable new oil filter P/N: AA48108-2 and torqued to 18" lbs. Filled with 9 qts. Phillips XC 20-50 oil. Complied with cylinder borescope inspection found no defects. Complied with AD 23-17-04. Inspected oil filter adapter and found F&M or Stratus oil filter adapter are not installed on engine. No further action required. C/W AD 96-12-22 Engine Oil Filter Adapter Assemblies by visual inspection and torque check. No issues noted. This AD is due every time the oil filter is removed. Removed support rod, installed new rod end P/N S2049P4FG and reattached turbocharger support rod. Removed manifold valve P/N 634326-4 S/N A3180172, installed overhauled valve P/N 634326-4 S/N H248309C. Flowed valve, no leaks noted. Complied with post engine leak checks and functional checks, Leak check and functional checks good. The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in reference with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed. I certify that this Engine has been inspected in reference to a 100-Hour Inspection and was determined to be in airworthy condition. Henry Budzynski A&P IA 3069399 				

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TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<i>Clear Sky Aviation LLC, Tel: 434-284-5109</i> Aircraft Regist.: N731NU Date Opened: 10/20/2024 Tach Time: 5283.0 Date Complete: 10/20/2024 AF S/N: P21000512 WO#: 0005  Work Performed: Drained oil and removed filter, inspected filter element for metal, none found. Installed new filter p/n CH48108-1 and secured. Added 10 qts of Phillips 20W50 to engine. Complied with AD 96-12-22, inspection of oil filter adapters, no defects noted. Replaced failed G5 back-up battery with new Garmin battery, PN 011-03893-02, SN EQ52ER27D00D0. Updated G5 software to version 8.44. Mechanic Name: <u>T R Proven</u> A&P Cert.: <u>1715019</u> Signature:  Not performed under repair station.

wo: 7043

Engine - page 1 of 1



Classic Aviation · 69 Aviation Circle · Weyers Cave, VA 24486 · (540)234-0226

N731NU
ENG TT: 5267.7
PROPSMOH: 1591.2

CONT MOTOR, TSIO-520 SER, S/N: ENGINE SN TBD
HOBBS: 5314.4
TACH: 1591.2

June 10, 2025
PROP TT: 5267.7

ENGINE

Complied with engine inspection in conjunction with an annual inspection in reference to Cessna P210 Series Service Manual to include the scope and detail of 14 CFR Part 43 Appendix D. Comply with oil and filter change with oil sample. Drained oil and took oil sample. Removed oil filter, cut open oil filter and inspected, found no metal particles. Installed a serviceable new oil filter P/N: AA48108-2 and torqued to 18' lbs. Filled with 9 qts. Phillips XC 20W50 oil. Complied with compression checks. #1- 74/80, #2- 71/80, #3- 63/80, #4- 70/80, #5- 72/80, #6- 75/80. Master orifice- 46/80. Removed, cleaned, inspected and functional checked spark plugs. Found 7 each spark plugs at cylinders #2 Bottom, #3 Top and bottom, #4 top, #5 bottom, and #6 top and bottom failed dimensional check. Installed 7 new spark plugs P/N URHB32E in the #1-6 lower position and the #1 upper position, and torqued them to 30 Ft/lbs. Verified LH and RH Magnetos are firing at 22° BTDC on cylinder #1 compression stroke. Complied with cylinder borescope inspection found no defects. Inspected and found oil coming from #3 cylinder intake and exhaust push rod tubes. Removed #3 valve cover, intake and exhaust rocker arms and push rods and tubes. Installed new push rod tube seals 4 each P/N: 534610. Reinstalled push rod tubes and rush rods, rocker arms and installed valve cover with new gasket P/N: 655528-S. Leak checked good. Removed #3 valve cover, Staked #3 exhaust valve, #3 cylinder compressions rose to 63 PSI. Installed valve cover with new gasket P/N: 655528-S. Removed, cleaned, inspected and reinstalled fuel injector nozzles with new O Ring kit P/N: ORW-6.

This engine identified was repaired and/or inspected in reference with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

I certify that this Engine has been inspected in reference with a 100-Hour/Annual Inspection and was determined to be in airworthy condition.

Henry Budzynski A&P IA 3069399



SUB-TOTALS this page

TOTALS—Carry forward to next page