

 **TELEDYNE CONTINENTAL**



Gold Medallion Aircraft Engine

REBUILT ENGINE LOG

N231QH

AIRCRAFT N NUMBER

TS10-520-NB88B

ENGINE MODEL NUMBER

290512-R

ENGINE SERIAL NUMBER

Gold Medallion® Warranty Protection

All Teledyne Continental Motors engines delivered as original equipment after January 1, 1980 are protected by TCM's exclusive Gold Medallion Warranty. The Warranty covers parts, shipping allowance and labor during the first six months or 240 hours of operation. After six months or 240 hours of operation, these cost are prorated. Contact your TCM Distributor for all the facts or write Teledyne Continental Motors for a free brochure.

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call (205) 438-3411, publications department, for information.

 **TELEDYNE CONTINENTAL MOTORS**
Aircraft Products

P. O. Box 90 • Mobile, Alabama 36601

This engine model TSIO520NB8B, Serial No. 290512-R, was rebuilt/zero timed on 02/03/93 by Teledyne Continental Motors in accordance with an FAA approved Quality Control System, using FAA approved Engineering design data and the applicable requirements of FAR Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporated the following Service Bulletins and Airworthiness Directives.

SB	AD	REMARKS	SB	AD	REMARKS
M79-2	79-05-09	REPLACED WITH NEW PART	N/A	91-19-03	OIL FILTER CHANGE
M80-26	81-24-06	TORQUE CHECK	M92-6	N/A	ROCKER SHAFT RETENTION IMPROVEMENT
M82-5	82-09-01	VISUAL / FUEL SEEPAGE	M92-14	N/A	VISUAL INSPECTION FOR DATE
M86-7	86-13-04	REPLACE WITH NEW PARTS			
M87-5	87-23-08	CRANKSHAFT ULTRASONIC INSPECTION			
M88-4	88-03-06	REPLACED WITH NEW PARTS			
M90-6	89-24-01	REPLACED WITH NEW PARTS			
M90-21	N/A	ULTRASONIC INSPECTION OF BARRELS			
M91-6	N/A	ULTRASONIC INSPECTION OF BARRELS			
M91-7	N/A	ULTRASONIC INSPECTION OF BARRELS			

Records reflecting this rebuilding are on file at Teledyne Continental Motors, P.O. Box 90, Mobile, Alabama, 36601.

TELEDYNE CONTINENTAL MOTORS
PRODUCTION CERTIFICATE NO. 508



ENGINE DESCRIPTION

TYPE _____ MODEL TS10-520-NB8B SERIAL NO. 290512-R
RATED H.P. _____ MAXIMUM H.P. _____
RATED R.P.M. _____ MAXIMUM R.P.M. _____ OIL PRESSURE _____
BORE _____ STROKE _____ DISPLACEMENT _____ CU. IN. _____
COMPRESSION RATIO _____ GEAR RATIO _____

PROPELLER _____ HUB DESIGN _____ HUB SERIAL NO. _____
BLADE DESIGN _____ BLADE SERIAL NO. _____ BLADE SERIAL NO. _____
MAXIMUM HUB H.P. _____ MAXIMUM BLADE H.P. _____
PITCH _____ DIAMETER _____ LENGTH _____

OWNERS NAME _____
ADDRESS _____ CITY _____ STATE _____

ENGINE LOG

[illegible]

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
94 6-15													
Annual insp @ 95 THRU TIME All Routine Maint COMPLETE. REPAIRS, ETC TOTAL TIME 95-32.6 1. CHANGED OIL & FILTER 2. Comp. Mtl. Above 95- 3. 10.5 94-01-03 & 9406-09 DWA By 3P 4. 93-10-02 DWA Apply over 25 hrs Date 6-15-94 Substantive 95 Total 95 Etc. 32.4 I certify that this Engine has been inspected in accordance with annual inspection and was determined to be in airworthy condition. Signature: <u>[Signature]</u> IA 1695303 32.6 Prop. 95 Since New 7.0 3 months													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
7 Aug 1965	Tech reads 39.7	Total time 39.7	Changed oil and filter; serviced with 10 qts Aeroshell 15W 50 AD oil. Cleaned and gapped spark plugs. Cleaned fuel injector nozzles. Borescoped cylinders for pitting; none found. Inspected exhaust stacks and brackets for cracks; none found. Compression: #1 = 72/80; #2 = 74/80; #3 = 78/80; #4 = 75/80; #5 = 74/80; #6 = 76/80. Test ran engine, checked for leaks, and checked operation using calibrated gauges. Adjusted idle RPM and mixture. Tightened pin at oil pressure transducer. Safety wired screws at turbo inlet housing. I certify that this engine has been inspected in accordance with an Annual Inspection and it has been determined to be in an Airworthy Condition. W.D.-314										
			</										

ENGINE LOG

[illegible]

ENGINE LOG

[illegible]

ENGINE LOG

[illegible]

12/5/96

HOBBS: 92.5

SMOH: 92.5

ANNUAL INSPECTION IN ACCORDANCE WITH MOONEY
MARK 20 SERVICE MANUAL PERFORMED ALL ROUTINE MAINTEN
ANCE AS REQUIRED. CHANGED OIL, REPLACED OIL FILTER,
SERVICED WITH MULTI GRADE AERSONELL OIL. REPLACE PUSH
ROD TUBE SEALS ON #1 CYLINDER. COMPRESSION CHECK AS
FOLLOWS: #1 72/80, #2 74/80, #3 75/80, #4 75/80, #5
72/80, #6 73/80. ENGINE WASHED. GROUND RUN OPS. CHECK
O.K.

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

David L. Lyle
20449842713

[illegible]

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
97 11-2													
TACH READS 140.00													
CHANGED OIL & FILTER (OIL AEROSHELL 15W50 15W50/FILTER CH48019)													
CHANGED NO. MOUNT P/N 94030-01													
THOROUGHLY CLEANED ENG, GROUND RUN AND CHECKED FOR LEAKS.													
(NOWE NOTED THIS TNSP, ENG COMPRESSION AVERAGE'S 78/80 ALL CYLS													
Bill Adams AEP 424489421													
1-12-97													
TACH READS 146.6 HRS SMOH 146.6 HRS													
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION THIS DATE 1-12-98													
Bill Adams AI 424489421													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
4-20-99	TACH READS 203.3 SINCE FACTORY "0" TIME 203.3 HRS												
OIL & FILTER REPLACED, ENG RAN & LEAK CHECKED (NO LEAKS NOTED) PLUGS CLEANED, INSP & GAPS RESET .018. MAG TIMING RESET 20° BT. TURBOSYS INSPECTED & RETURN LINES DRAINED INSP. & CLEANED. SMALL REPAIRS TO COOLING MADE AS NECESSARY. SET ALTERNATOR COMMUTATOR END BRG INSP. FOR WEAR & LOOSENESS. (NONE FOUND THIS INSP) LUBED BRG & REPLACED END CAP. CHECK FOR TORQUE ALL FUEL & OIL HOSE FITTINGS.													
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION THIS DATE 4-20-99. Bill Williams AI 424489421													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

4-8-00 DATE 2000	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
4-15-00	TACH READS 208.0 ^{HRS} SINCE OVERHAUL 0.00 ^{HRS}												
4-8-00 Bill Adams	ENGINE REMOVED & OVERHAULED DUE TO PROP STRIKE, ALL STEEL PARTS INSPECTED BY AIRCRAFT ENGINE AND ACCESSORY (FAA REPAIR STA. ULR533K). ALL ROCKER ARMS RECONDITIONED, COUNTERWEIGHTS REPLACED, CRANKSHAFT GROUND TO .010 MAINS .010 CRANK PINS. M.O.O OIL TRANSFER COLLAR FURNISHED BY ABOVE R/S. REPLACED WITH GENUINE CONTINENTAL PARTS ALL EX & INT VALVES, KEEPERS, ROD BRGS, MAIN BRGS, ROD BOLTS, ROD NUTS, THRUST WASHERS AND MAJOR O/H GASKET SET. ALL 6 CYLS CHROMED & REBUILT BY DIUSO. PISTON RINGS HAND FIT TO FACTORY O/H MANUAL MIN TOLERANCES FOR A GOOD COMPRESSIION SEAL. MAGS INSPECTED, REASSY. INTERNAL TIMING CHECKED. REPLACED ALTERNATOR WITH A REMAN UNIT REBUILT BY AEROTECH P/N ALX9405. INSTALLED A NEW McCauley PROP MOD # 3AF32C505-C S/N 984051. ENGINE GROUND TESTS RUN AS PER MFG'S INSTRUCTIONS, INSPECTED LEAK CHECKED AND APPROVED FOR RETURN TO SERVICE THIS DATE 4-15-00 4-8-00.												
(NOTE) INSTALLED (12) NEW RHB 32E SPARK PLUGS NEW OIL FILTER AND (12) QTS AEROSHELL "NON DET" ENG OIL FOR BREAK IN PERIOD.													
BROUGHT FORWARD													
TOTALS													
Bill Adams AEP 424489A21													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2001 4-11													
TACH READS 44.2 SMOH 54.8 ENGINE TOTAL TIME 8/F "O" TIME 262.8													
THIS ENGINE INSPECTED IN ACCORDANCE WITH THE MFG'S INSTRUCTIONS AND CHECK LIST, EXCEEDING THE SCOPE & DETAIL OF FAR 43 APPENDIX "D" ENGINE GROUND RUN, OPERATIONALLY CHECKED AND LEAK CHECKED. (OPERATIONAL CHECK SATISFACTORY AND NO LEAKS NOTED THIS INSP)													
ADS RESEARCHED FOR COMPLIANCE THROUGH ISSUE 47-07 (T-DATA) 01-07													
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION THIS DATE 4-11-01													
Bill Adams AI 424489421													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2002 5-23											TACH READS 73.0 ^{HRS} SMOH 86.6 ^{HRS} S/F O" TIME 294.6		
THIS ENGINE & PROPELLER INSP IN THE SCOPE & DETAIL OF FAR 43 APPENDIX "D," REPLACED OIL WITH TEXACO OIL 100 (NOW DET). REPLACED OIL FILTER CN 48-109 PLUG'S GAPPED RESET TO 18" MAG TIMING CHECKED, ALL CYLS CHECKED 72% OR BETTER ON A COLD CHECK. AOS RESEARCH ED FOR COMPLIANCE THROUGH THIS DATE 5-23-02.													
I CERTIFY THAT THIS ENGINE & PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION THIS DATE 5-23-02. Bill Adams AI 424489421													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2003 5-23	Tach	123.9	5	MOH	137.50								
OIL & FILTER REPLACED, MAG TIMING CHECKED FOR MFG'S SPECS. ALL CYLS CHECKED AVERAGE (COLD) (74/80). ENGINE RAN, LEAK CHECKED AND RETURNED TO SERVICE. AOS RESCHEDULED FOR COMPLIANCE THROUGH THIS DATE.													
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION THIS DATE 5-23-03.													
<i>[Signature]</i> AI 424489421													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.				
2004 6-4-04	TACH		150.4			5	mo	h	16	40	hrs			
ENGINE INSP. IN THE SCOPE AND DETAIL OF FAR 43 APPENDIX D. A/D'S RESEARCHED FOR COMPLIANCE THROUGH THIS DATE. ALL CYLS AVERAGE 74/80 (COLD CHECK).														
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION THIS DATE 6-4-04.														
Bill Adams AI 424489421														
BROUGHT FORWARD														
TOTALS														

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2005 7-14													
TACH READS 175.9 8moh 189.5													
THIS ENGINE & PROPELLER INSP. IN THE SCOPE & DETAIL OF FAR 23 APPENDIX "D". ALL CYL'S COMPRESSION CHECKED 80% AVERAGE.													
AD'S RESEARCHED FOR COMPLIANCE THROUGH THIS DATE.													
I CERTIFY THAT THIS ENGINE & PROPELLER HAS BEEN													
INSPECTED IN ACCORDANCE WITH AN ANNUAL													
INSPECTION AND WAS DETERMINED TO BE													
IN AIRWORTHY CONDITION THIS DATE 7-14-05.													
BUD WILSON AT 11/11/05 121													
BROUGHT FORWARD													
TOTALS													

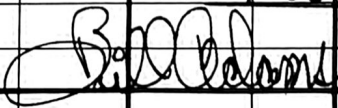
ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2006 8-3-06													
TACH READS 228.9 TEMPERATURE 5000 242.5													
THIS ENGINE INSP. IN THE SCOPE & DETAIL OF FAR 43 APPENDIX "D,"													
CHECKED ALL FUEL & OIL LINES FOR SECURITY & TORQUE,													
ENGINE COMPRESSION STILL AVERAGES 80/94 (COLD CHECK)													
AD'S RESEARCHED FOR COMPLIANCE THROUGH THIS DATE.													
I CERTIFY THAT THIS ENGINE HAS BEEN													
INSPECTED IN ACCORDANCE WITH AN ANNUAL													
INSPECTION AND WAS DETERMINED TO BE													
IN AIRWORTHY CONDITION THIS DATE 8-3-06.													
Bill G. G. AT N24489421													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

[illegible]

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2008 9-20-08	TACH	READS 250.0	5	10	0	2	7	3.6					
	THIS ENGINE INSP. IN THE SCOPE, DETAIL OF FAR 43 APPENDIX "D":												
	ENGINE RAN FOR OPERATIONAL AND LEAK CHECKS, (NOTE) NO												
	LEAKS OF SIGNIFICANCE THIS INSP.												
	A/D RESEARCHED FOR COMPLIANCE THROUGH ISSUE 2008-19.												
	ENGINE COMPRESSION												
	INPT 80 P.S.I.												
# ①	76												
# ②	74												
# ③	75												
# ④	75												
# ⑤	76												
# ⑥	75												
I certify that this aircraft <u>ENGINE</u> has been inspected in accordance with a (an) <u>ANNUAL</u> inspection and was determined to be in airworthy condition this date <u>9-20-08</u>.													
													
AT 127489421													
BROUGHT FORWARD													
TOTALS													

COLD CHECK

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2-09	TACH READS												
REMOVE AND REPLACE AIRRESEARCH TURBO O/H BY QUALITY AIRCRAFT ACCESSORIES (SEE RELEASE PAPERS) RE-ATTACH LOWER COWL TO FUSELAGE ATTACHMENT BY DRILLING & RIVETING. INSTALLATION & TEST ACCOMPLISHED IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS.													
												Bill Adams A & P 42448742/	
I certify that this aircraft has been inspected in accordance with (a) the inspection and was determined to be in satisfactory condition for flight.													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2009													
10-1-09													
TACH READS 283.0 9mch 306.6													
OIL & FILTER REPLACED WITH (12) QTS AEROSHELL W-100 OIL & (1) CH48-109-1													
OIL FILTER. PLUGS CLEANED, INSP. AND GAPS RESET TO .018" MAG TIMING													
CHECKED FOR 22° BTC. ENGINE RAN FOR OPERATIONAL CHECKS AND													
OIL/FUEL LEAKS. (NOTE NO LEAKS THIS INSP.)													
A/D'S RESEARCHED FOR COMPLIANCE THROUGH ISSUE 2009-20.													
ENG COMP.													
IN PUT 80 P.S.1													
#1	75												
#2	76												
#3	74												
#4	75												
#5	75												
#6	76												
OPERATIONAL & REGS													
I certify that this aircraft ENGINE													
has been inspected in accordance													
with a (6) ANNUAL inspection and													
was determined to be in airworthy													
condition this date 10-1-09.													
Brought Forward													
TOTALS													
Bill Gammell AI424485421													

ENGINE LOG

[illegible]

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
7-17-2011		TACH	1309.9								Installed overhauled turbocharger after Repair/overhaul By Quality Aircraft accessories. P/N 407810-9001, S/N VL-L0132. Ops & leak checks good. Sundt AP3201770		

DATE 8-6-12 TACH 340.1 SOH _____ SMOH 363.7

THIS ENGINE INSPECTED IN THE SCOPE AND DETAIL OF FAR 43
APPENDIX "D". ADS RESEARCHED FOR COMPLIANCE THROUGH ISSUE
2012-15.

ENGINE COMPRESSION

- (1) 80/ 75
- (2) 80/ 75
- (3) 80/ 76
- (4) 80/ 74
- (5) 80/ 75
- (6) 80/ 75

CO CHECK
AMBIENT
940F

I CERTIFY THAT THIS ENGINE HAS BEEN
INSPECTED IN ACCORDANCE WITH A 100 HR
INSPECTION AND WAS DETERMINED TO BE IN
AIRWORTHY CONDITION THIS DATE 8-6-2012

BILL ADAMS A&P424489421AI

Bill Adams

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ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2013 09-17	TACH 375.6	SMDH 399.2				TT: 10y BEST AVAILABLE 1280583.6							
(Clean) Replenish 1 1/2 qts Aeroshell W100 & CH8109-1 FILTER, Change oil & FILTER, OIL & INSP. FILTER O-RINGS, WASHERS, & BOLTS @ injectors, Flush Lines & LAMP OIL. Clean Gmp & Rotate all spark plugs, CK'd MAG timing & Replace MS35769-4 plug seat CK'd FOR security & operation of engine controls & attachments, Replace AN engine load mts p/n 94030-01 - position & torqued per Rocket Engineering INSTR. C/A AD 95-17-06 34 INSP OF TURBO TRANSFERRED Tube N10@683.6 hrs Cleaned Fuel screens, R/R induction filter Run A/C & ops CK'd temps, pressures, idle speed & mixture ect Comp. Test As follows ① 64/80 ② 70/80 ③ 66/80 ④ 69/80 ⑤ 68/80 ⑥ 65/80 with M/P @ 4780 RPM													
I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN AT ANNUAL/100 HR. INSPECTION AND IS IN AIRWORTHY CONDITION.													
SMDH 399.2 TIME 583.6 DATE 09-17-2013 SIGNATURE <i>H. W. ne Pndly</i> AP3878959													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2014													
10/24	TACH	388.4	11596.4			412.0							
RUN ENGINE & OPS CK'D, UNCOOLED FOR INSPECTION. RUN Compression Test 'HOT'; CLEAN, GAP & TOTAL SPARK PLUGS, CK'D TIMING @ BOTH MAGS. CK'D idle speed, MIXTURE, & INDICATORS @ INST'S DURING RUN-UP. CK'D security & operation of engine controls & attachments & lube. C/w AD NOTE 95-17-86 BY INSPECTION & FOUND RH FWD SUPPORT TUBE BROKEN. Replaced TUBE FROM Tocket Engineering, PN 305-03-502 RevD N/A @ 1171.9 #1/2. (Changed oil & FILTER, CUT & INSPECTED FILTER (clean) Replaced w/ 12 qts Aeroshell W100 & CH4 8109-1 FILTER. Inspect complete exhaust system & TURBO. LUBED wastegate & intermediate, CK'D injectors & Lines Clean Fuel screens, Replace induction filter PN 388103-1. Replaced #3 & 5 cyl. intake gaskets PN 649959 Insp. engine mount, engine controls & accessories for security & adjustment Comp Test ① 66/80 ② 66/80 ③ 64/80 ④ 64/80 ⑤ 72/80 ⑥ 64/80 RUN engine ops & leak CK'D, recocked & RE-RUN - normal operation.													
I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL/100 HR. INSPECTION AND IS IN AIRWORTHY CONDITION.													
AT TIME 596.4 DATE 10/24/2014													
SIGNATURE <u>J. Wayne Phillips</u>													
AF 5678953													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

[illegible]

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2017 04-12	TACH	READS	399.8	SMOH	423.4	TOTAL TIME		607.4 (FACTORY)					
OIL AND FILTER REPLACED, SPARK PLUGS REPLACED WITH NEW UREM 32C PLUGS.													
DATE <u>04-12-2017</u> TACH <u>399.8</u> SOH <u>423.4</u> SMOH <u>607.4</u> THIS ENGINE INSPECTED IN THE SCOPE AND DETAIL OF FAR 43 APPENDIX "D". ADS RESEARCHED FOR COMPLIANCE THROUGH ISSUE <u>2017-07</u> ENGINE COMPRESSION (1) 80/71 (2) 80/72 (3) 80/70 (4) 80/72 (5) 80/72 (6) 80/71 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION THIS DATE <u>04-12-2017</u>. BILL ADAMS A&P424489421AI <i>Bill Adams</i>													
BROUGHT FO TOTALS													

ENGINE LOG

wo: GA1024

Engine - page 1 of 1



Glencoe Aviation · 6253 Airport Industrial Blvd · GONZALES, Ia 70737 · 225-644-3088

SIGNATURE

LICENSE
NUMBER

N231QH

Tach: 406.36

continental, TS10-520-NB8B, S/N: 290512-R

SMOH: 429.96

December 2, 2019

1. DRAINED ENGINE OIL AND REMOVED OIL FILTER AND CUT OPEN FOR DEBRIS NONE NOTED. INSTALLED NEW FILTER PN CH48109-1 AND SERVICED WITH 12QTS OF PHILLIPS 20W-50. REMOVED FUEL INJECTORS AND INSPECTED AND INSTALLED NEW ORINGS. REMOVED SPARK PLUGS INSPECTED CLEANED AND GAPPED. CHECKED MAG TIMMING. THEN PERFORMED COMPRESSION TEST #1 72/80 #2 76/80 #3 62/80 #4 70/80 #5 64/80 #6 60/80. REMOVED AND REPLACED INDUCTION FILTER PN AAD9-18-1. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND HAS BEEN FOUND TO BE AIRWORTHY Installed (4) MS29513-338 - Oring, Installed (1) AAD9-18-1 - AIR FILTER, Installed (6) 640612 - Flat washer: rubber, Installed (6) 633958-3 - Seal, Installed (12) 630979-9 - O-ring.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Glencoe Aviation under work order: GA1024.

Dayne Bounds A/P IA 2782783

BROUGHT FORWARD

TOTALS

ENGINE LOG

wo: GA1115

Engine - page 1 of 1



Glencoe Aviation - 6253 Airport Industrial Blvd - GONZALES, LA 70737 - 225-644-3088

SIGNATURE

LICENSE
NUMBER

N231QH

continental, TS10-520-NB8B, S/N: 290512-R

April 30, 2020

Tach: 406.36

SMOH: 429.96

1. Removed fuel pump and sent out for overhaul by CRS# 9QFR310C and reinstalled upon return. Completed engine ground run with no discrepancies at this time. Installed (1) 646210-11 - TCM FUEL PUMP, S/N: L239201B.
2. Completed troubleshoot of engine. Found mags to be bad. Removed LH mag S/N: 646981R and RH mag S/N: 646983R and installed overhauled mags by CRS# 9QFR310C and timed to engine in accordance with engine data plate. Engine ground run and operational check satisfactory at this time. Installed (1) 10-349260-6OH - MAG, Installed (1) 10-349220-5OH - MAG, S/N: I199708FR.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Glencoe Aviation under work order: GA1115.

Taylor Stringfield A/P 4285189

BROUGHT FORWARD

TOTALS



Glencoe Aviation · 6253 Airport Industrial Blvd · GONZALES, LA 70737 · 225-460-3636

SIGNATURE

LICENSE
NUMBERN231QH
tach: 406.36continental, TS10-520-NB8B, S/N: 290512-R
SMOH: 429.96

March 24, 2021

1. DRAINED ENGINE OIL AND REMOVED OIL FILTER AND CUT OPEN FOR DEBRIS NONE NOTED. INSTALLED NEW FILTER PN CH48109-1 AND SERVICED WITH 12QTS OF PHILLIPS 20W-50. . REMOVED SPARK PLUGS INSPECTED CLEANED AND GAPPED. CHECKED MAG TIMMING. THEN PERFORMED COMPRESSION TEST #1 74/80 #2 68/80 #3 64/80 #4 766/80 #5 64/80 #6 62/80. REMOVED AND REPLACED INDUCTION FILTER PN AAD9-18-1. PERFORMED ENGINE GROUND RUN NO LEKS NOTED. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND HAS BEEN FOUND TO BE AIRWORTHY Installed (1) AAD9-18-1 - AIR FILTER.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Glencoe Aviation under work order: GA1410.

Dayne Bounds A/P IA 2782783

BROUGHT FORWARD

TOTALS

ENGINE LOG

Beacon Aviation

Tail: N231QH Model: Continental TSIO-520-NB8B S/N: 2905012-R Tach: 442.16
TSMOH: 465.76

Complied with 100-hr inspection checklist IAW current Continental EMM. Drained and replenished engine oil with Phillips 20w-50. Removed, cut and inspected oil filter for metal debris. Cleaned, gapped, and tested spark plugs. Magnetos installed and timed after 500-hr inspection complied with by Aircraft Magneto Service Invoice # 33841. Cylinder #2 & #5 removed and sent to The new firewall Forward for repair W.O.# 11738 & 11801. Installed repaired cylinders IAW EMM. Performed compression test 1) 72/80 2) 80/80 3) 65/80 4) 67/80 5) 80/80 6) 62/80. Removed and replaced fuel control. Complied with leak check run. No defects noted at this time.

I certify this engine to be in an airworthy condition in reference to work performed above.

 Jaime Hollis A & P 4060641 IA

10-1-22 Date

MENTS

SIGNATURE

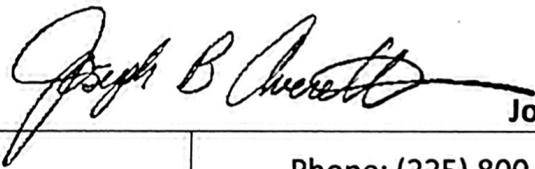
LICENSE
NUMBER

TOTALS

ENGINE LOG

DATE	R.P.M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME	REPAIRS - ADJUSTMENTS		SIGNATURE	LICENSE NUMBER
	Make:	Continental			Reg No.:	N231QH		
	Model:	TSIO-520-NB			Date:	11/1/2024		
	Serial No.:	290512-R			W/O No.:	2452		
	AFTT:	1805.5			ENGINE MAINTENANCE ENTRY		Tach:	446.0
			TSOH:					
			459.6					
Description of Work Accomplished. Work Completed: * Completed Hot Compression Check as follows: #1= 66/80, #2= 64/80, #3= 70/80, #4= 68/80, #5= 64/80, #6= 66/80 * Performed Oil & Filter Change. Drained Oil & Cut Filter. Sent Sample to Blackstone Laboratories for analysis. No Metal noted in filter. Installed new Oil Filter P/N: AA48108-2 & serviced with Phillips X/C 20W50								
BROUGHT FORWARD								
TOTALS								

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER		
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.					
	Inspections Completed: * Complied with Engine 100HR/Annual Inspection Ref manufacturer's instructions and current FARs														
	Approval for Return to Service The article identified above was repaired and inspected in accordance with current FAA regulations and was found to be airworthy and is approved for return to service. Pertinent details of the work performed are on file at this agency under this work order.														
	Authorized Signature											Joseph B Averett 2740243 IA/AP			
	Hancock Aviation LLC 4409 Chuck Yeager Avenue Baton Rouge, LA 70807					Phone: (225) 800-2359 Fax: (225) 224-6211 Email: info@hancockaviation.com Web: www.hancockaviation.com									
BROUGHT FORWARD															
TOTALS															

**ALL RETURNED ENGINES TO BE SHIPPED WITH THIS LOG
BOOK DIRECTLY TO:**

**TELEDYNE CONTINENTAL MOTORS
AIRCRAFT PRODUCTS
SHIPPING AND RECEIVING
2000 NINTH STREET
MOBILE, ALABAMA 36615**