

The Standard



ENGINE LOG

ASA-SE-1

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER CONTINENTAL MODEL O-300-D

SERIAL 33109-D TYPE CERTIFICATE _____

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT N5540R

MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____

MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____

SPARK PLUG GAP _____

MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

The Standard



ENGINE LOG

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				ENGINE REMOVED FROM AIRCRAFT. ENGINE DISASSEMBLED, CLEANED AND INSPECTED. ALL STEEL PARTS MAG- NETIZED. ALL NON FERROUS PARTS ZYGLOED, CYLINDERS HONED TO RING FINISH. VALVES AND SEATS GROUND AND LAPPED TO SEAL. ENGINE ASSEMBLED USING ALL NEW PISTONS AND RINGS, ALL NEW 30° INTAKE AND NEW EXHAUST VALVES AND ALL NEW VALVE KEEPERS. ALL NEW MAIN AND ROD BEARINGS. EXCHANGED ONE CYLINDER FOR SERVICABLE STANDARD STEEL CYLINDER DUE TO GROOVE IN BARREL FROM BROKEN RING. ALL NEW REGROUND VALVE LIFTERS. SERVICABLE STARTER DRIVE

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				<p>ASSEMBLY, NEW VACUUM PUMP DRIVE COUPLING. ALL NEW GASKETS, HOSES, AND SEALS, NEW ACCELERATOR PUMP PLUNGER, ALL NEW GASKETS AND SET FLOAT LEVEL IN CARBURATOR. NEW POINTS BOTH MAGNETOS. NEW BRUSHES AND LUBRICATE BEARINGS IN ALTERNATOR. ALL WORK ACCOM- PLISHED IN ACCORDANCE WITH T.C.M. OVERHAUL MANUAL AND CURRENT APPLICABLE SERVICE INSTRUCTIONS USING ACCEPTABLE METHODS, TECHNIQUES AND PRACTICES. ALL CURRENT APPLICABLE SERVICE BULLETINS AND A.D. NOTES COMPLIED WITH. ENGINE INSTALLED IN AIRCRAFT</p>

[illegible]

#6
Turner

MFR NAME Continental
UNIT Cylinder
MODEL Steel
SERIAL NO. 16536
PART NO. Class 61

Only the work requested by the customer and described on the Job Order reference on the reverse of this tag was performed and inspected in accordance with Federal Regulations and was airworthy. The customer must perform further inspection of the part(s) before use to determine serviceability.

Pertinent details of the work performed are on file at this facility under the Job Number shown below.

WORK ORDER NO. 7861
DATE 6/29/87
SIGNED [Signature]



3701 Highway 162
Granite City, IL 62040

Phone: 618-797-6630
Telex 724408
800-362-3044

FAA CERTIFIED REPAIR
STATION NO. 362-40



KINGS MOUNTAIN AIRCRAFT, INC.

506 EAST KING STREET
KINGS MOUNTAIN, N.C. 28086
PHONE (704) 739-2814

THIS ENGINE SER. # 33109-D WAS REPAIRED
THIS DATE JUNE 27, 1987 TACH. TIME 3695.08 PER F.A.A.
REGULATIONS AND MFG. SPEC. WORK ORDER # 205 ON FILE
AT KINGS MOUNTAIN AIRCRAFT, INC.

NAME Leroy T. Mathis NO. 243249907

WARRANTY 100 HOURS CONDITIONALLY

All engines warranted against defect in material and workmanship to 100 hours, to include parts and labor, an additional pro-rated warranty, parts only to 1000 hours. All parts and labor to be approved by KINGS MOUNTAIN AIRCRAFT, INC. prior to commencement of work. Cracked cylinders and crank-case excluded from all warranties unless it can be determined that they are a direct result of improper assembly. Loss of revenue or use of aircraft claims will not be allowed. Accessory items to be warrantied by vendor of such items.

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	02 Jul 88	TACH 3789.1	TOTAL TIME 3789.1	TSMOH 94.1 Compression
	#1-76/80, #2-76/80, #3-75/80, #4-76/80, #5-77/80, #6-79/80.			CHANGED OIL AND
	CLEANED SCREEN - SERVICED WITH AEROSHELL 50 WT.			REPLACED ROTOR GEAR IN
	LEFT MAG; ADJUSTED POINTS AND SET MAG TIMING.			CLEANED FUEL SCREENS, AD
	CHECKED THRU ISSUE 88-10			I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN
	ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY			CONDITION
	Darryl Edgar Moore			IA 300549638

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
01 July 89	TACH 3863.2		TOTAL TIME 3863.2	TSMOH 168.2
Comp #1- ⁷⁶ / ₈₀ , #2- ⁷⁴ / ₈₀ , #3- ⁷⁴ / ₈₀ , #4- ⁷⁴ / ₈₀ , #5- ⁷⁸ / ₈₀ , #6- ⁷⁶ / ₈₀				CLEANED, GAPPED, & ROTATED PLUGS, CHANGED OIL AND CLEANED SCREEN SERVICED WITH AEROSHELL 40WT. CHECKED FUEL SCREENS. CHECKED MAG TIMING. ADI CHECKED THRU ISSUE 89-10 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. Gary Edgum Moore IA 300549638
07 July 90	TACH 3950.4		TOTAL TIME 3950.4	T.S.M.O.H. 255.4
Comp #1- ⁷⁷ / ₈₀ , #2- ⁷² / ₈₀ , #3- ⁷⁷ / ₈₀ , #4- ⁷⁸ / ₈₀ , #5- ⁷⁷ / ₈₀ , #6- ⁷⁸ / ₈₀				CHANGED OIL & CLEANED SCREEN - SERVICED WITH AEROSHELL 40WT. ADJUSTED MAG TIMING - CLEANED, GAPPED & ROTATED PLUGS ADI CHECKED THRU ISSUE 90-11 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION - Gary Edgum Moore IA 300549638

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04 AUG 91	TACH 4016.0		TOTAL TIME 4016.0 T.S.M.O.H. 321.0	Comp #1-7/80 #2-74/80, #3-78/80, #4-75/80, #5-76/80, #6-77/80 CLEANED, GAPPED, AND ROTATED PLUGS, CHECKED MAG TIMING, CHANGED OIL AND CLEANED SCREEN SERVICED WITH AEROSHELL 40 WT. CHECKED FUEL SCREEN AND AIR FILTER. AD'S CHECKED THRU ISSUE 91-17, I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION Gary Edgar Moore FA300549638
09 AUG 92	TACH 4096.2		TOTAL TIME 4096.2 T.S.M.O.H. 401.2	Comp #1-75/80, #2-74/80, #3-76/80, #4-75/80, #5-75/80, #6-76/80 CHECKED MAG TIMING - CLEANED GAPPED & ROTATED PLUGS. AD'S CHECKED THRU ISSUE 92-18 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION Dany Edgar Moore IA 300549638
19 AUG 93	TACH 4152.1		TOTAL TIME 4152.1	T.S.M.O.H. 457.1 Comp #1- 74/80 #2- 75/80, #3- 74/80, #4- 76/80, #5- 75/80, #6- 76/80. CLEANED, GAPPED, AND ROTATED PLUGS CHECKED MAG TIMING. CHECKED FUEL SCREENS. CHANGED OIL AND CHECKED SCREEN. ADS CHECKED THRU ISSUE 93-18 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. Dany Edgar Moore IA 300549638

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20 AUG 94	TACH		4195.6	TOTAL TIME 4195.6 T-S.M.O.H 500.6
comp #1- ⁷⁵ / ₈₀ , #2- ⁷⁶ / ₈₀ , #3- ⁷⁶ / ₈₀ , #4- ⁷⁴ / ₈₀ , #5- ⁷⁵ / ₈₀ , #6- ⁷⁸ / ₈₀				CLEANED,
GAPPED AND ROTATED PLUGS,				CHECKED MAG TIMING, CHANGED OIL AND CHECKED
SCREEN - SERVICED WITH 40WT AEROSHELL,				COMPLIED WITH PRECISION AD 93-18-03
By INSPECTION OF CARB VENTURI AND FOUND OIL AT THIS TIME.				PRECISION AD 93-18-04
N/A AS CARB NOT REWORKED DURING TIME FRAME IN QUESTION.				CONTINENTAL AD
94-05-05 DUE AT CYLINDER REWORK ON O/H.				AD 94-14-12L N/A BY AIRCRAFT. AND
CHECKED THRU ISSUE 94 15.				I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN
ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN				AIRWORTHY CONDITION.
				Gary Edgar Moore IA 300549638

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01 SEPT 95	TACH 4215.0	TOTAL TIME 4215.0	T.S.M.O.H 520.0	Comp #1- 74/80 #2- 74/80, #3- 74/80, #4- 74/80, #5- 74/80, #6- 74/80
ROTATED PLUGS - CHECKED FUEL SCREENS. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION Larry Edgar Mow IA 300549638				
01 SEPT 96	TACH 4227.0	TOTAL TIME 4227.0	T.S.M.O.H 532.0	Comp #1- 74/80 #2- 74/80, #3- 74/80, #4- 74/80, #5- 74/80, #6- 74/80
ADJUSTED MAG TIMING, CHECKED GAP AND ROTATED PLUGS. VISUALLY INSPECTED CARB VENTURI AND FOUND O.K AT THIS TIME. AD'S CHECKED THRU ISSUE 96-16 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. Larry Edgar Mow IA 300549638				

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16 SEPT 97	TACH 4275.0		TOTAL TIME 4275.0	T.S.M.O.H 580.0 Comp #1-7/80
	#2-72/80, #3-75/80, #4-76/80, #5-74/80, #6-74/80			CLEANED - GAPPED AND ROTATED PLUGS
	ADJUSTED PLUG MAG TIMING			COMPLIED WITH PRECISION (CARG) AD 93-18-03 BY
	REPLACING 2 PIECE VENTURI			WITH A ONE PIECE VENTURI PRECISION P/N 46-F11
	ALSO REPLACED NOZZLES			WITH PRECISION P/N 666-946-F NOZZLE PER SERVICE BULLETIN
	MSA-8 DATED 7-10-95 AD'S			CHECKED THRU ISSUE 97-16. I CERTIFY THAT THIS ENGINE HAS BEEN
	INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION			AND WAS DETERMINED TO BE
	IN AIRWORTHY CONDITION.			Gary Edgar Moore JA 300549638

[illegible]

DATE	TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
10/10/80	705.9	TOTAL TIME 4400.9 TSMOH 705.9 Comp #1-70/80
10/10/80	705.9	#4-76/80, #5-74/80, #6-74/80 CLEANED, GAPPED, AND
10/10/80	705.9	AD'S CHECKED
10/10/80	705.9	CRANKSHAFT AD 98-17-4 N/A AS CRANK NOT REPAIRED BY
10/10/80	705.9	CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE
10/10/80	705.9	AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION
10/10/80	705.9	FA 300549638

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS <small>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)</small>
28 Oct 2002	TACH 4647.0		TOTAL TIME 4449.0 TSMOH 254.0 Comp #1-72/80	#2-72/80, #3-76/80, #4-72/80, #5-76/80, #6-78/80 CLEANED GAPPED AND ROTATED PLUGS CHECKED LEADS AND MAG TIMING CHECKED CARB FUEL SCREEN, SLICK AD 2000-11-57E N/A AS MODELS LISTED NOT INSTALLED, AD' CHECKED THRU 2000-19 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND W/D DETERMINED TO BE IN AIRWORTHY CONDITION — Jimmy Edgar MDM IA 300549638

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01 NOV 2001	TACH 4484.1		TOTAL TIME 4484.1 TSMOH 789.1	Comp #1 - 71/80 #2 - 72/80, #3 - 74/80, #4 - 76/80, #5 - 72/80, #6 - 76/80 CLEANED AND ROTATED PLUGS CHECKED MAG TIMING AND CARB FUEL SCREEN. AN'S CHECKED THRU ISSUE 2001-22. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION Dany Edgar Mool IA 300549638
25 OCT 2002	TACH 4543.3		TOTAL TIME 4543.3 TSMOH 848.3	Comp #1 - 73/80, #2 - 74/80, #3 - 75/80 #4 - 72/80, #5 - 78/80, #6 - 64/80, GAPPED AND ROTATED PLUGS, ADJUSTED MAG TIMING, CHECKED INTAKE EXHAUST AND CONTROLS AN'S CHECKED THRU 2002-20 ± CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. Dany Edgar Mool IA 300549638

WARNING

When installing drive gear or driver onto magneto, torque nut provided to 320 inch lbs.
Use only the installation hardware provided.
Secure nut with appropriate cotter pin.

FAA-PMA Approved

This magneto was manufactured from all new components in accordance with Part 21.303h and is airworthy. This magneto is FAA-PMA approved for applications listed in Union Industries' L-1318 Document in the F-1100 Master Service Manual. For LASAR® Magneto, see L-1500 Manual.

Enter magneto model, serial number, and date of installation, and attach this tag to engine logbook.

Model No. 6364
Serial No. 03111352
Date of Installation 03 APRIL 04

WARNING

- When installing drive gear or driver onto magneto, torque nut provided to 120 to 320 inch lbs.
- Use only the installation hardware provided.
- Secure nut with appropriate cotter pin.

FAA-PMA Approved

This magneto was manufactured from all new components in accordance with 14 CFR Part 21.303h and is airworthy. This magneto is FAA-PMA approved for applications listed in Union Industries' L-1318 Document in the F-1100 Master Service Manual. For LASAR® Magneto, see L-1500 Manual.

Enter magneto model, serial number, and date of installation, and attach this tag to engine logbook.

Magneto Model No. 6364
Magneto Serial No. 03111353
Date of Installation 03-APRIL 04
L-1543

HARNESS AND PLUGS REPLACED WITH NEW SLICK 6364 SERIES MAGS S/N 03111352
ON LEFT AND S/N 03111353 ON RIGHT. INSTALLED NEW HARNESS ASSY SLICK PLW
M2932 AND 12 NEW UREM 40E AUTO-LITE PLUGS. Gary Edgar Moore AEP 300549638

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12 Nov 04	TACH 4629.0		TOTAL TIME 4629.0 TSMOH 934.0	Comp #1-70/80 #2-74/80, #3-74/80, #4-68/80, #5-74/80, #6-62/80 CLEANED AND ROTATED PLUGS CHECKED MAG TIMING, INTAKE AND EXHAUST SYSTEMS. CHECKED CARBS AND CONTROLS CLEANED AIR FILTER. AD'S CHECKED THRU ISSUE 2004-21 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION Gary Edger Moore IA 300549638
12 FEB 06	TACH 4663.8		TOTAL TIME 4663.8 TSMOH 968.8	Comp #1-74/80, #2-74/80 #3-76/80, #4-60/80, #5-76/80, #6-76/80 CLEANED AND ROTATED PLUGS, CHECKED MAG TIMING, CHECKED INTAKE AND EXHAUST SYSTEMS, CHECKED CARBS CONTROLS. AD'S CHECKED THRU 2005-26 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION Gary Edger Moore IA 300549638

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26 MARCH 06	TACH	4668.3	RECHECKED COMPRESSION ON #4 CYLINDER MEASURED AT 74/80 Gary Edgar Moore AEP 300549638 —	
12 DEC 06	TACH	4692.8	TOTAL TIME 4692.8 TSMOH 997.8 Comp #1-74/80 #2-77/80, #3-76/80, #4-74/80, #5-77/80, #6-76/80 CLEANED AND ROTATED PLUGS, CHECKED MAG TIMING CHECKED CARB CONTROLS AND FILTER. BEADED INTAKE AND EXHAUST PUSH ROD TUBES, REPLACED ROCKER COVER GASKET ON #3 CYLINDER. CHECKED INTAKE AND EXHAUST SYSTEMS. GROUND RUN-UP O.K. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION— Gary Edgar Moore IA 300549638 —	

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03 FEB 08	TACH 4729.1		TOTAL TIME 4729.1	TSMOH 1034.1 Comp #1-72/80 #2-76/80, #3-76/80, #4-78/80, #5-78/80, #6-70/80 CHANGED OIL AND CHECK MAIN AND SUCTION SCREENS, SERVICED WITH 50WT AEROHELL, CHECKED MAG TIMING. CLEANED AND ROTATED PLUGS, CHECKED INTAKE AND EXHAUST SYSTEMS, CHECKED CORD CONTROLS AND FILTER, LASHED ENGINE. AIRS CHECKED THRU 200801. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION — Ray Edgson MOORE FA 300549638
12 May, 2009	TACH 4758.8		TOT TIME 4758.8	TSMOH 1083.7 WARM DIFF. COMPRESSIONS #1 68/80 #2 70/80 #3 68/80 #4 72/80 #5 68/80 #6 74/80 CHECKED + CLEANED OIL SCREENS, NO DEBRIS FOUND, ENGINE SUCK/W

CONT.

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				<p> AEROSHELL 100W, MAG TIMING OK (SB 3-08A NO TIMING CHANGE - 166.5 TIME ON MAGS) A/D THRU 2009.05 CHECKED, SPARK PLUGS CLEANED & ROTATED, ENGINE CONTROLS CHECKED - OPERATION OK, SERVICED INDUCTION FILTER, CARB FINGER SCREEN SERVICED & FUEL BOWL FLUSHED, NO DEBRIS FOUND, I CERTIFY THIS ENGINE WAS INSPECTED I/A/W AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. </p> <p> Joseph R Henny IA 1979862 </p>
				<p> JULY 1, 2010 TACH 4776.16 TOTAL 4776.16 SMOH 1101.6 COMPRESSIONS TAKEN COLD #1 66/80 #2 70/80 #3 76/80 #4 72/80 #5 77/80 #6 76/80. CLEANED & GAPPED SPARK PLUGS. SERVICED INDUCTION FILTER. MAG TIMING OK. REPLACED ALL SIX ROCKER BOX GASKETS WITH NEW RG 531062 </p>

CONTINUED

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				SERVICED ENGINE WITH 6 QUARTS AEROSHELL W80. SERVICED OIL SCREENS - NO DEBRIS FOUND. I CERTIFY THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE AIRWORTHY. Joseph R Henry 1979862 IA
APRIL 10, 2012	FT 4782.41 TACH 4782.41 SMOH 1107.95			ENGINE COMPRESSIONS COLD #1 70/80 #2 76/80 #3 66/80 #4 74/80 #5 72/80 #6 78/80 MAG TIMING OK. PLUGS CLEANED, GAPPED, AND ROTATED. REPLACED OIL CAP GASKET WITH NEW P/N 533355. I CERTIFY THIS ENGINE WAS INSPECTED I/A/W AN ANNUAL INSPECTION AND WAS FOUND TO BE AIR WORTHY. Joseph R Henry A/P 1979862 IA

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20 AUG 2013	TACH 4794.6		TOTAL TIME 4794.6	TSMOH 1120.1 Comp #1-76/80 #2-76/80, #3-78/80, #4-75/80, #5-78/80, #6-78/80 CLEANED, GAPPED, AND ROTATED PLUGS, CHECKED MAG TIMING, CHECKED INTAKE AND EXHAUST SYSTEMS, CHECKED CARB CONTROLS AND FILTER, CHANGED OIL - CHECKED SCREEN - CHECKED SUCTION SCREEN SERVICED WITH AEROSHELL 80-40WT CLEANED ENGINE, AD 2011-26-07 310X MAGS N/A BY SERIAL NUMBER. AD'S CHECKED THRU ZOOK AVIATION 2013-08A I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION Gary Edgar Moore IA 3534663

[illegible]

Aircraft N#: N5540R	Aircraft S/N: 17253123	Airframe TT: 4820.47	LNDG: _____
APU S/N: _____	#1 ENG S/N: _____	#1 ENG TT: _____	CYC: _____
APU HRS: _____	#2 ENG S/N: _____	#2 ENG TT: _____	CYC: _____
APU Events: _____	#3 ENG S/N: _____	#3 ENG TT: _____	CYC: _____

The following tasks were complied with under Airtech Work Order 060717-03

18 L/H LOWER FLEXIBLE TUBING / SCAT TUBING FROM AIR INDUCTION BOX TO EXHAUST SHROUD HAS HOLES IN IT, P/N S1053K16 - Removed and replaced tubing IAW AC 43.14-1B standard practices | P/N on: S1053K16, P/N off: S1053K16 | S/N on: -, S/N off: -

19 L/H EXHAUST SHROUD CRACKED AT FWD CLIP NUT TAB - NO REPAIR NECESSARY AS CRACK IS FROM CENTER OF HOLE TO EDGE OF TAB

20 R/H FWD EXHAUST SHROUD SEAL BROKEN, P/N 0550176 - No action taken per customer request

22 ENGINE IDLE IS TOO HIGH, 700 RPM - ADJUSTED ENGINE IDLE SCREW, PERFORMED ENGINE RUN, OPS CHECK GOOD

36 Perform 100 hr / annual - engine - Performed 100 hr / annual inspection IAW Cessna inspection checklist. Drained oil and removed screens and inspected, no metal found, serviced engine with 8 qts Aeroshell 100W oil Compression check performed warm #1, 65/80, #2, 68/80, #367/80, #4, 74/80, #5, 75/80, #6, 73/80 performed engine run, no defects noted at this time

APPROVAL FOR RETURN TO SERVICE

I certify that the aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration, Airtech RSM, PA-31-350 AMM, and is approved for return to service for the work performed.

Date: 9-29-2018 Authorized Signature: Nicholas Upshaw Certificate Number: CRS 5A8D960B

1 of 1

Pertinent details of the work performed under Airtech work order 060717-03 are retained on file at FAA repair station #5A8D960B

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY (SEE BACK PAGE FOR OTHER SPECIFIC ENDORSEMENTS)
19__				

WO: LUK91-20002

Engine - page 1 of 1



Airtech of Ohio, LLC. • 4765 Airport Rd • Cincinnati, Ohio 45226 • 888-780-2247

N5540R
tach: 4874.94

Continental, O-300-D, S/N: 33109

October 20, 2019

1. ACTT 4874.94 performed annual inspection IAW Cessna Service manual checklist. Replaced ELT, see item later in this work order for details. I certify that this aircraft has been inspected IAW annual inspection requirements and is determined to be in airworthy condition. Engine compressions recorded as 1-72/80 2-78/80 3-75/80 4-75/80 5-76/80 6-78/80 Installed (1) AEROSHELL 14 - GREASE.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech, LLC under work order: LUK91-20002.

Shawn Sanford Airframe & Powerplant 3805307



Airtech of Ohio, LLC. · 4765 Airport Rd · CINCINNATI, Ohio 45226 · 859-250-6822 · CRS#: 5A8R960B

N5540R
tach: 4962.41

Continental, O-300-D, S/N: 33109
hobbs: 1501.6

October 30, 2020

1. Ran aircraft to temp. Performed oil sample IAW the oil sample instructions. Gave oil sample kit to parts to be sent out.
2. Performed oil change, and cleaned and inspected Oil Filter Screen as required IAW Cessna 100 Series Service Manual Section 12-42. Installed (6) W100 QT - Oil, Piston Engine.
3. Performed Annual Inspection IAW CE 100 Series Annual Inspection Checklist in Section 2-19. The cylinder compression test was good, the numbers are as follows: #1 67/80, #2 73/80, #3 74/80, #4 76/80, #5 75/80, #6 74/80.
4. Removed and cleaned Engine Oil Quick drain, and installed new copper crush gasket IAW CE 100 Series Service Manual Section 12-44.
5. Replaced with new IAW CE 100 Series Service manual section 2-7. Installed (1) BA5110 - BRACKET FILTER ASSEMBLY.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-20271.

Chris Busemeyer CRS# 5A8R960B

5
ER OF
TRIES.)

DATE	RECORDING	TOTAL	DESCRIPTION OF INSPECTIONS TESTS REPAIRS AND ALTERATIONS
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wo: LUK145-21022

Engine - page 1 of 1



Airtech of Ohio, LLC. • 4765 Airport Rd • CINCINNATI, Ohio 45226 • 859-250-6822 • CRS#: 5A8R960B

N5540R

hobbs: 19.1

Continental, O-300-D, S/N: 33109

tach: 4981.49

February 2, 2021

Removed and replaced spark plugs with new. Removed magnetos and sent out for overhaul. Installed new ignition harness assy. Reinstalled magnetos after O/H from Aircraft Accessories of Oklahoma CRS# RV3R829L WO #42643 and timed engine IAW CE 100 series service manual section 12-70 and Continental O-300 SPM CH 6-4.9.1 through 6-4.9.2. Ground ran engine. Ops ck good. Installed (12) UREM40E - SPARK PLUGS, Installed (1) M2932 - WIRE HARNESS, Installed (1) 6364 - MAGNETO OH, S/N: LH# 03111352, Installed (1) 6364 - MAGNETO OH, S/N: RH# 03111353.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21022.

Chris Pike CRS# 5A8R960B

Entrv: 1 of 2

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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wo: LUK145-21224

Engine - page 1 of 1



Airtech of Ohio, LLC. - 4765 Airport Rd - CINCINNATI, Ohio 45226 - 859-250-6822 - CRS#: 5A8R960B

N5540R
hobbs: 128.4

Continental, O-300-D, S/N: 33109
tach: 5058.06

June 30, 2021

Performed 100 Hour / Annual inspection IAW Cessna Inspection Checklist. Engine Compressions recorded as 1. 72/80 2. 78/80 3. 75/80 4. 75/80 5. 77/80 6. 78/80

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file at Airtech LLC. under work order package LUK145-21224

Jeff Persons CRS# 5A8R960B



Airtech of Ohio, LLC. · 4765 Airport Rd · CINCINNATI, Ohio 45226 · 5133303993 · CRS#: 5A8R960B

N5540R
ACTT: 8050.48Continental, O-300-D, S/N: 33109
TACH: 5149.38

December 30, 2021

1. Complied with 100 Hour ENGINE inspection IAW FAR 43 Appendix D approved data. Drained oil and filter, Cut open filter, no debris noted. Serviced engine with oil and new filter with (8 qts) 15W-50 - Aeroshell OIL and P/N CH48109-1 - Oil Filter. Installed P/N BA6108 - BRACKETT REPLACEMENT ELEMENT. Compression check 1-77, 2- 76, 3-75, 4-78, 5-74, 6-75/80. Cleaned, gapped, tested and rotated all spark plugs. Check Mag to Engine timing- check good.
2. Removed oil pan quick drain. Internal o-rings on the QD determined to be unserviceable. Replaced all o-rings with new, reinstalled QD. Ops check good at this time. IAW C172 skyhawk 1963-1968 service manual section 2-5 Installed P/N S1000-K - ORING KIT.
3. Removed and replaced RT and LT MLG brake inner and outer brake linings with new IAW c170 service manual section 5-82. Ops check good Installed (4) P/N 06-10500 - BRAKE LINING.
4. Ran engine, Oil leak determined to be caused by faulty o-ring on the temperature probe in the line coming off the remote oil filter system. Drained oil out of system to remove the banjo fitting to assess. Replaced all crush gaskets with new, retorqued banjo fitting, reserviced with Aeroshell 15w-50. Ran engine, leak check good at this time. Per STC-SA00079NY , Installed (2) P/N AN900-14 - GASKET , Installed (2) P/N AN900-10 - GASKET.

With respect to the work performed, this ENGINE is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-21588.

Mike Hall CRS# 5A8R960B



Airtech of Ohio, LLC · 500 Wilmer Avenue · CINCINNATI, Ohio 45226 · CRS#: 5A8R960B

N5540R

hobbs: 303.2

Continental, O-300-D, S/N: 33109

tach: 5186.0

January 10, 2023

1. EVALUATION OF OILER COOLER MOD complete. Installed P/N Purchase Order Shipping - Fee S/N: N/A.
2. Installed oil filter neck, oil filter adapter, and oil filter IAW SB-001 Rev B Installed P/N Purchase Order Shipping - Fee S/N: N/A, Installed (2) P/N MS20822-6-8D - Pipe To Tube Elbow, Installed P/N 03-27950 - SHEET METAL, Installed P/N Purchase Order Shipping - Fee S/N: N/A, Installed P/N BA6108 - BRACKETT REPLACEMENT ELEMENT.
3. Completed Fabrication and Install of Oil Cooler Air Inlet. Installed Air/Oil Cooler and Air Inlet Hose. IAW Steve's Aircraft Document #3200-7-3 Installed P/N 03-28050 - SHEET METAL, Installed (2) P/N 1713110-1 - BRACKET ASSY, Installed P/N 0713019-33 - AIR INLET, Installed P/N Oil Cooler STC and Block - STC.
4. Installed Oil lines on oil filter adapter, installed fittings to oil cooler, installed oil cooler lines to oil cooler fittings IAW Steve's Aircraft Document #3200-7-3 Installed P/N Purchase Order Shipping - Fee S/N: N/A, Installed (2) P/N AN912-4D - BUSHING, Installed P/N Purchase Order Shipping - Fee S/N: N/A, Installed (4) P/N AN823-6D - ELBOW FITTING, Installed P/N 359-4D0120 - Custom Hose Assembly, Installed (2) P/N AN822-6-6D - FITTING, Installed P/N 359-4D0120 Custom Hose Assembly -

DATE

19__

wo: LUK145-22254

Engine · page 2 of 4



Airtech of Ohio, LLC · 500 Wilmer Avenue · CINCINNATI, Ohio 45226 · CRS#: 5A8R960B

oil cooler hose S/N: NA.

5. Serviced engine with 8 qts Aeroshell 15w50, ground ran engine. Leak check good. Performed high performance run up test. Engine oil temp still running high at this time, further troubleshoot required. Installed (7 QT) P/N W15W-50 - Aeroshell OIL S/N: N/A.
6. Removed remote oil filter STC. Fabricated Cover Plate and Installed over Existing Mounting Holes IAW AC43.13 CH 4-53 Installed P/N 08-00632 - ENGINE MOUNT OIL FILTER CO-300 STCD S/N: 0WLX04, Installed P/N AN900-10 - GASKET, Installed P/N Purchase Order Shipping - Fee S/N: N/A, Installed (2) P/N MS20823-6D - FITTING, Installed P/N Purchase Order Shipping - Fee S/N: N/A.
7. Removed and replaced cracked seat track and secured IAW Cessna model 172F Amm 19-60 Installed P/N 05-00355 - SEAT RAIL Rev/Lot: 64078, Installed (2) P/N 23411 - BUSHING.
8. Performed annual Insp. Per Cessna 172 100 Hour Insp Forms 2-19

Installed P/N 0750137-0 - STRAP ASSEMBLY, Installed P/N Purchase Order Shipping - Fee S/N: N/A, Installed (5) P/N AN6-25A - BOLT, Installed P/N Purchase Order Shipping - Fee S/N: N/A.

9. Performed cold compression check as follows cyl. (1) 60/80 cyl. (2) 62/80 cyl. (3) 70/80 cyl. (4) 72/80 cyl. (5) 60/80 cyl. (6) 60/80.

10. Adjusted idle speed IAW C172 service manual ch 12-17 para 12-42. Ops check good.

11. Wire found to go to battery maintainer. reinstalled IAW Cessna 172F AMM 17-4.



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12. Fastened upper cowl with missing fasteners IAW c172 service manual section 12-40 para 12-79.
13. Found Connector To Be Disconnected Reconnected Ops Checks Good.
14. Removed and replaced air filter IAW Cessna model 172F AMM 2-17 Installed P/N BA-6108 - air filter.
15. Upon further inspection found plugs to be in serviceable condition.
16. Repaired drain pipe IAW Cessna 172F AMM 19-1.
17. Installed screw in wing IAW Cessna 172F AMM 19-14 Installed (4) P/N AN4C21A - BOLT.
18. Repaired bonding strap, Cessna 172 IPC fig. 125.
19. Replaced Left and Right Forward Engine Mount Bushings IAW CE172F Service Manual 12-88 Installed (10) P/N AN6-32A - BOLT, Installed (6) P/N MS21042-6 - NUT, Installed P/N Purchase Order Shipping - Fee S/N: N/A.
20. Serviced tires to proper limits IAW c172 service manual section 1-3.
21. Complied with AD 69-15-03, inspected engine exhaust muffler, shroud assembly, carburetor heat shroud, and air manifolds, found in good condition.
22. AD 08-26-10 does not apply to this aircraft due to static air source selector valve not installed on aircraft.
23. AD 71-22-02 does not apply due to part number nose gear fork installed.
24. Verified correct fuel caps are installed on aircraft per AD 79-10-14.
25. COMPLIED WITH AD RESEARCH/PAPERWORK.

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

wo: LUK145-22254

Engine - page 4 of 4



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With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-22254.

Matthew Slover CRS# 5A8R960B

Matthew Slover

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

wo: LUK145-24026

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Airtech of Ohio, LLC · 500 Wilmer Avenue · CINCINNATI, Ohio 45226 · CRS#: 5A8R960B

N5540R

Continental, O-300-D, S/N: 33109

May 14, 2024

hobbs: 303.2

tach: 5186.0

Performed 100 Hour / Annual Inspection IAW Cessna Inspection Checklist all defects have been corrected.

Jared Hilander CRS# 5A8R960B