



A Textron Company

ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION 421005 N352JA

ENGINE MODEL AND SERIAL I O-550 N(37) 691656

Log #2

D5518-3-13

INSTRUCTIONS

This record should be completed and maintained in accordance with FAA Federal Aviation Regulations 43.9, 43.11 and 91.173 and/or other prevailing government regulations.

NOTE: Record Service Bulletins and Airworthiness Directives in the back of this record as well as the Airframe Maintenance Record.

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TRIAD AVIATION, Inc. certifies that this engine has been disassembled, inspected, and overhauled to manufacturer's overhaul manual new limits. Engine tested in accordance with recommended procedures and is approved for return to service. All applicable A.D. Notes are complied with at the time of overhaul. Pertinent details of this work are on file at this repair station under work order # 21149 DATE 04/18/2014

MAKE Continental
S/N 691656
TSMOH 0.00

MODEL IO-550-N(37)
TOTAL TIME _____
TBO 2000



Triad Aviation, Inc.
FAA Repair Station #PP4R448M
Burlington Municipal Airport
3439 South Aviation Drive
Burlington, NC 27215
336-227-1467

Thomas M. Kusner
Authorized Signature

DATE _____

ED SIGNATURE, _____
ICATE TYPE _____
NUMBER _____

Test ran Continental IO-550-N(37) engine S/N 691656 for 1 Hour 15 minutes, RPM 2300, oil pressure 52 lbs, oil temperature 187 degrees, CHT 345. Mag check at 2100 RPM, L 120 RPM, R 120 RPM. Compression test cylinder #1 78/80 #2 78/80 #3 78/80 #4 75/80 #5 76/80 #6 78/80. This engine and/or component is approved for return to service. All pertinent details on file this repair station: TRIAD AVIATION, INC. FAA REPAIR STATION# PP4R448M.
WO# 21149
Signed: *Thomas M. Kusner* Date: 04/18/2014

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		QUANTITY	PART NUMBER	DESCRIPTION	BASE AMOUNT
	HOURS	10THS				
			1	64002A2	BEARING SKY	
			12	64002	BEARING	
			12	65598	ROLY	
			12	65598	ROLY	
			2	WASHER-4	ROLY	
			1	63099	BEARING	
			16	629184	RING	
			16	64323	FLAYE	
			3	641909	FLAYE	
			4	649505	SCREW	
			2	64326-183	PIN	
			2	64326-184	PIN	
			4	64326-185	PIN	
			4	65497-34	SCREW	
			1	607191	GASKET KIT	
			4	66690	SCREW	
			1	581367	WASHER	
			1	644000000	SPRING	
			2	65525	CUSHION	
			2	64624	BUMPER	
			2	64624	BUMPER	
			1	63608	BEARING	
			1	MS18756-4	KEY	
			1	63465	BEARING	
			1	613041	BEARING	
			1	641368	BEARING	
			1	62148-3	RING	
			1	6458287	RING	
			1	64130	SPRING	
			4	63398-2	SEAL	
			12	68296	BUSHING	
			50	68242	NUY	
			12	68241	NUY	
			24	MS20508-428	NUY	
			1	16-423674-31	HARNISS	
			1	683389	COUPLING	
			12	URH8328	SPARK PLUG	
					TOTAL	

Triad Aviation, Inc.
 FAA Repair Station 8PP4488M
 3439 South Aviation Drive
 Burlington, NC 27215
 Telephone (336) 227-1467

(910) 367-3344
 INVOICE / WORK ORDER
 NO. 21149
 DATE 3/18/2014
 WRITTEN BY MSJ

AUTHORIZED SIGNATURE,
 CERTIFICATE TYPE
 & NUMBER


NAME Cape Fear Airworks
 ADDRESS 391 Northeast 38th Street
 Oak Island, NC 28465

INSTRUCTIONS/WORK DESCRIPTION
 Overhaul Continental IO-550-N(37)B engine S/N 691656.
 Overhauled and test run.
 RAM Camshaft-P/N 1058-1A
 Cylinders-P/N EQ7369 new from Cont. Motors wof 389917
 Magneto- (2) P/N BL-500556-1 S/N D13LA178R rebuilt by Cont. Motors wof 377223 S/N
 D14AA127R rebuilt by Cont. Motors wof 380433
 Fuel Injection System- P/N R-649053A5-2 Throttle Body S/N A14CA197R Fuel Pump S/N
 B14CA221R Flow Divider S/N C14CA209R rebuilt by Cont. Motors wof 393315
 Starter Switch- P/N 655711 repaired by AS wof 220058
 Starter Gear- P/N 652388 overhauled by AS wof 208156
 Connecting Rod- (6) subassembly repaired by AS wof 224225
 Counterweights- (2) P/N 639195 (2) P/N 639196 repaired by AS wof 224225
 Starter- P/N 646275-1 S/N A411016 overhauled by Aerotech wof 110521
 CW AD 2012-10-13 To prevent starter adaptor gear shaft failure CW installed overhauled
 starter adaptor P/N 6420087459



This engine and/or component is approved for return to service. All pertinent
 details on file this repair station. TRIAD AVIATION, INC. FAA REPAIR
 STATION # 8PP4488M
 Signed: *Richard H. S.* Date 04/18/2014

ENGINE OVERHAUL	
TOTAL PARTS	
MISCELLANEOUS PARTS	
ENGINE RETRIEVAL AND DELIVERY	
TAX	
TOTAL	

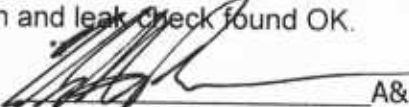
MAINTENANCE RECORD

DATE					SIGNATURE, ATE TYPE MSBR
			910-367-3344 www.CapeFearAirworks.com		
N352JA	Eng Model IO-550N	Eng S/N 691656	Annual due	Apr-15	
Date	25-Apr-14	Recurring AD's	None	Due	
Current Hobbs:	764				
TSO	0				
Eng. TT	764				
Installed engine, IAW Cessna model LC42-550FG Maintenance Manual, follwing overhaul by Triad Aviation. Inspected engine in accordance with Cessna and TCM 100 hour inspection procedures. Installed new CH48109-1 filter and added 8 qts of Aeroshell 100 mineral oil. Performed run-up for leak, operational checks found airworthy. Complied with fuel injection setup IAW SID97-3E. final readings; idle unmetered 9.5psi, max power metered 20.5 psi. max power FF 26 gpa, all readings compensated for achieved rpm.					
I certify that this Engine has been inspected in accordance with a 100 hr/ annual inspection and was determined to be in airworthy condition.					
Auth Sign& Cert. <i>Richard H. S.</i>			A&P 1759842 IA		

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p>CAPE FEAR AIRWORKS BRUNSWICK COUNTY AIRPORT, NC</p> </div> <div style="border: 1px solid black; padding: 5px; width: 60%;"> <p align="center">910-367-3344 www.CapeFearAirworks.com</p> <hr/> <p>Date: 8/9/2014 N352JA Hobbs: 812.8 hrs.</p> </div> </div> <p>Drained oil and removed filter. Cut open filter and inspected, no discrepancies found. Installed new CH48109-1 oil filter, safetied and serviced with 8 quarts of Aeroshell w100 oil. Performed engine run and leak check found OK.</p> <p>Mechanic:  A&P 3694900</p>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
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			<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p>CAPE FEAR AIRWORKS BRUNSWICK COUNTY AIRPORT, NC</p> </div> <div style="border: 1px solid black; padding: 5px; width: 60%;"> <p align="center">910-367-3344 www.CapeFearAirworks.com</p> <hr/> <p>Date: 10/11/2014 N352JA Hobbs: 833.7 hrs.</p> </div> </div> <p>Drained oil and removed filter. Cut open filter and inspected, no discrepancies found. Installed new CH48109-1 oil filter, safetied and serviced with 8 quarts of Aeroshell w100 oil. Performed engine run and leak check found OK.</p> <p>Mechanic:  A&P 3694900</p>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

ENGINE MODEL: IO-550-N(37)
 ENGINE S/N: 691656
 REG. NO: N352JA
 WORK ORDER: 4045-05-2015



J.A. Air Center
 Repair Station No. NF2R029L
 43W730 US RT 30
 Sugar Grove, Illinois 60554
 Phone: 630 584.3200

DATE: 04 June, 2015
 A/C TSN: 854
 ENG TT: 854
 TSMOH: 90
 HOBBS: 854

Engine Entries

- 2 Inspected and serviced this engine in accordance with Cessna LC42-550FG Maintenance Manual Chapter 5-10-00 Time limits and inspections, Chapter 5-20-00 and Continental Motors IO-550-N maintenance manual, inspection requirements for an annual inspection. Compressions were tested as follows: # 1-75, #2-72, #3-75, #4-72, #5-72 and #6-74 all over 80 psi. The oil and filter was changed. Opened and inspected the filter. Serviced the engine with 8 Qts of Phillips 20W50 X/C oil and a new AA48109 filter. See the following items for additional service and repairs.
- 5 Replaced leaking rocker cover gaskets P/N 655705 on cylinders number two and four.
- 42 Removed oil galley plug under alternator mount and re tapped threads. Reinstalled plug with sealant and checked for leaks.

Maintenance Release
 I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA 145.5424 under Work Order No. 4045-05-2015, Dated 04 June, 2015

DATE: 04 June, 2015

SIGNED:

Work Order: 4045-05-2015

Bruce Rebechini
 Certified Repair Station No. NF2R029L

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ENGINE MODEL: IO-550-N(37)
 ENGINE S/N: 691656
 REG. NO: N352JA
 WORK ORDER: 5007-01-2016



J.A. Air Center
 Repair Station No. NF2R029L
 43W730 US RT 30
 Sugar Grove, Illinois 60554
 Phone: 630 584.3200

DATE: 29 January, 2016
 A/C TSN: 886 6
 ENG TT: 886 6
 TSMOH: 122 6
 HOBBS: 886 6

Engine Entries

- 1 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 8 Qts. of Phillips 20W50 X/C and a new AA48109 filter. Ground ran and leak checked.

Maintenance Release
 The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA 145.5424 under Work Order No. 5007-01-2016, Dated 29 January, 2016.

DATE: 29 January, 2016

SIGNED:

Work Order: 5007-01-2016



Bruce Rebechini
 Certified Repair Station No. NF2R029L

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MAINTENANCE RECORD

DATE	DESCRIPTION	J.A. Air Center	DATE	ATURE, PE
	ENGINE MODEL: IO-550-N(37) ENGINE S/N: 691656 REG. NO: N352JA WORK ORDER: 5439-06-2016	 J.A. Air Center Repair Station No: NF2R029L 43W730 US RT 30 Sugar Grove, Illinois 60554 Phone: 630.584.3200	01 July, 2016 A/C TSN: 911.9 ENG TT: 911.9 TSMOH: 147.9 HOBBSS: 911.9	
Engine Entries				
2	Inspected and serviced this engine in accordance with Cessna LC42-550FG Maintenance Manual Chapter 5-10-00 Time limits and inspections, Chapter 5-20-00 and Continental Motors IO-550-N maintenance manual, inspection requirements for an annual inspection. Compressions were tested as follows: # 1-73, #2-73, #3-73, #4-75, #5-76 and #6-73 all over 80 psi. The oil and filter was changed. Opened and inspected the filter. Serviced the engine with 8 Qts of Phillips 20W50 X/C oil and a new AA48109 filter. See the following items for additional service and repairs.			
25	Installed new push rod tube seals p/n 534610 & 630286 for cylinders #2 & 4. Re-installed rocker shaft bolts with new 501868 lock washers and rocker covers with new 655705 gaskets. Assembly was accomplished as per T.C.M. Service Bulletin SB96-7C.			
26	Installed new gasket P/N MS35769-26 beneath the oil pressure relief valve housing. Torqued housing in accordance with SB96-7C.			
30	Retorqued sump flange bolts as per T.C.M. Service Bulletin SB96-7C, para. 31-18.			
Maintenance Release				
I certify the aircraft and/or component(s) on was repaired and inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA 145.5424 under Work Order No: 5439-06-2016. Dated 01 July, 2016				
DATE: 01 July, 2016	SIGNED: 		Work Order: 5439-06-2016	
	Jon Hilgenberg Certified Repair Station No: NF2R029L		Printed by EBis 3 (datcomedia.com)	

MAINTENANCE RECORD

DATE	DESCRIPTION	J.A. Air Center	DATE	ATURE, PE
	ENGINE MODEL: IO-550-N(37) ENGINE S/N: 691656 REG. NO: N352JA WORK ORDER: 6457-04-2017	 J.A. Air Center Repair Station No: NF2R029L 43W730 US RT 30 Sugar Grove, Illinois 60554 Phone: 630.584.3200	25 April, 2017 A/C TSN: 941.1 ENG TT: 941.1 TSMOH: 177.1 HOBBSS: 941.1	
Engine Entries				
1	Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 8 Qts of 20W50 X/C Phillips and a new AA48109 filter. Ground ran and leak checked.			
Maintenance Release				
The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA 145.5424 under Work Order No: 6457-04-2017. Dated 25 April, 2017				
DATE: 25 April, 2017	SIGNED: 		Work Order: 6457-04-2017	
	Bruce Rebechini Certified Repair Station No: NF2R029L		Printed by EBis 3 (datcomedia.com)	

