

AERO SERVICES, INC.

AERO SERVICE, INC. REG. # N4089R SER. # L-5187-48 W.O. 17354
DATE: 02/09/2018
TACH: 0473.8/000.0 HOBBS: UNK TSN: 3045.04 TSO: 0000.0
ENGINE IAW LYCOMING SI-1009 AND OVERHAUL MANUAL

ENGINE LOG

Page No.

TACH: 047351
OVERHAULED THIS ENGINE IAW LYCOMING SI-1009 AND OVERHAUL MANUAL 60249-7-9. REMOVED ENGINE FROM AIRCRAFT S/N 32-40408 AND DISASSEMBLED. REMOVED CYLINDERS AND INSTALLED GIBSON OVERHAULED CYLINDERS P/N LW73948 S/N's 108111-1 THRU 108111-6.
REASSEMBLED ENGINE USING
INSPECTED AND REPAIRED -
MATCH NUMBER 3212

ASSEMBLED ENGINE
DIVCO INSPECTED AND REPAIRED -
CASE CASTING NUMBER 752

- DIVCO INSPECTED AND REPAIRED
- CRANKCASE CASTING NUMBER 75205 MATCH NUMBER 2213
- ACCESSORY CASE CASTING NUMBER 76096 - MODIFIED TO ACCEPT INTEGRAL GEAR CAMSHAFT
- GIBSON OVERHAULED -
- CYLINDERS P/N Lw73948 S/N's 108111-1 THRU 108111-6

GIBSON OVERHAULED -
NUMBERS P/N 1 w7394

GIBSON OVERHAULED -
CYLINDERS P/N Lw73948 S/N's 108111-1 THRU 108111-6

AIRCRAFT SPECIALTIES -

REPAIRED:

- REPAIRED:**
- CRANKSHAFT P/N IO-540K1A5 SUBASSEMBLY S/N 44450
 - COUNTERWEIGHTS (12) P/N 73644
 - CAMSHAFT P/N LW13908
 - CONNECTING RODS (5) P/N LW10646

NEW:

- NOZZLE ASSEMBLY P/N 73772
- NUTS (12) P/N AEL12186
- RADIAL BALL BEARINGS (2) P/N AEL67542
- OIL PUMP DRIVE SHAFT P/N AEL74641
- RETAINING RING P/N MS16625-2081
- HOSES (6) P/N SL-STD-2180
- SCREW P/N SL-STD-2209
- CHROME ALLOY BALL P/N SI1028-B
- BEARINGS (6) P/N SL11575A MO6
- PISTON PIN W/ PLUGS (6) P/N SL13444-1
- BEARINGS (2) P/N SL13885A M06
- IMPELLER KIT P/N SL18109A-S
- VERNATHERM VALVE P/N SL53E19600 S/N 52546
- SPRING P/N SL61084
- MAJOR OVERHAUL GASKET SET P/N SL73185-1
- BEARINGS (12) P/N S74309A Mo6
- ROD BOLTS (12) P/N SL75060
- TACH SHAFT ASSY P/N SL76155
- OIL PUMP HOUSING - A P/N SI78528
- ROD P/N LW10646

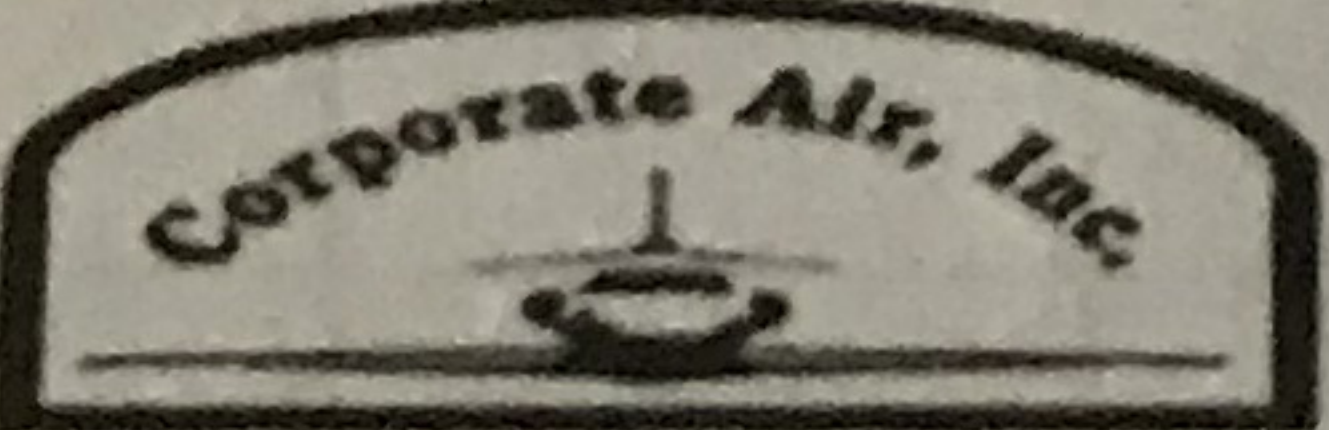
REINSTALLED AFTER OVERHAUL BY KELLY AEROSPACE:

- MAGNETO P/N 10-349370-4 S/N F-12191
- MAGNETO P/N 10-349310-1 S/N F-12190

MAGNETO P/N 10-34536
INSTALLED NEW MAGNETO DRIVE CUSHIONS (5) P/N 68H22624. INSTALLED NEW OIL DRAIN VALVE P/N CCB37000. INSTALLED NEW SNAP RINGS (2) P/N STD1737 AND KEYS (2) P/N STD737. INSTALLED NEW CYLINDER HD OIL DRAIN ASSY P/N 73027. INSTALLED NEW MAGNETO DRIVE IDLER GEARS (2) AEL71668. INSTALLED SERVICEABLE PROP GOVERNOR DRIVE GEARS P/N 70389 AND P/N 70388 REMOVED AND INSTALLED NEW OIL COOLERS (2) P/N 8000074 WITH NEW PHT TYPE "D" HOSES. REMOVED AND REINSTALLED SERVO P/N 2524273-12 S/N 61273 AFTER REPAIR BY D&G SUPPLY. REMOVED AND REINSTALLED FUEL PUMP P/N RG17980D/M S/N C-3638 AFTER OVERHAUL BY D&G SUPPLY. REMOVED AND REINSTALLED FLOW DIVIDER P/N 2524232-2 S/N AL0961 AFTER INSPECTION BY D&G SUPPLY. INSTALLED NEW OIL PRESSURE ELBOW P/N 68778-000. INSTALLED NEW STARTER P/N 149-NL. INSTALLED NEW STARTER RING GEAR P/N AEL72566. INSTALLED NEW ALTERNATOR DRIVE BELT P/N 37A19733-376 INSTALLED NEW PUSH RODS (7) P/N SL15F19957-58. REINSTALLED ENGINE WITH NEW MOUNTS (4 P/N J3804-27. INSTALLED NEW OIL FILTER P/N CH48110-1 AND SERVICED WITH AEROSHELL 100 MINERAL OIL. PRE-OILED ENGINE. GROUND RUN GOOD. LEAK CHECK GOOD. AFTER GROUND RUNS AND TESTING, DRAINED OIL FROM ENGINE AND REMOVED FILTER. SERVICED WITH AEROSHELL 100 MINERAL OIL AND INSTALLED NEW FILTER Ch48110-2 - GROUND RUN GOOD; LEAK CHECK GOOD.

ROBERT F. McDOWELL III

NG WORK

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK			
 3200 Airport West Drive Vero Beach, Florida 32960 (772) 569-8473 Fax (772) 563-9500 E-mail: CORPAIR1@aol.com					
DATE	3/29/2018	N#	4089R	A/C S/N	32-40408
TACH	24.7	TT		TSMOH	
CHANGED OIL 12 QTS AEROSHELL 100 MINERAL, REPLACED FILTER CH48110, TEST RAN ENGINE OPS CHECK OK.					
EVAN LOBDELL		[REDACTED]		A&P [REDACTED]	
 3200 Airport West Drive Vero Beach, Florida 32960 (772) 569-8473 Fax (772) 563-9500 E-mail: CORPAIR1@aol.com					
DATE	5/17/2018	N#	4089R	A/C S/N	32-40408
TACH	49.3	TT		TSMOH	
CHANGED OIL 12 QTS AEROSHELL 100 MINERAL, REPLACED FILTER CH48110, REPLACED CRANKSHAFT SEAL WITH NEW P/N LW15628. TEST RAN ENGINE OPS CHECK OK.					
EVAN LOBDELL		[REDACTED]		A&P [REDACTED]	
 3200 Airport West Drive Vero Beach, Florida 32960 (772) 569-8473 Fax (772) 563-9500 E-mail: CORPAIR1@aol.com					
DATE	7/17/2018	N#	4089R	A/C S/N	32-40408
TACH	87.2	TT		TSMOH	
CHANGED OIL 12 QTS AEROSHELL W100 PLUS, REPLACED FILTER CH48110, FOUND LOOSE PLUG IN FRON OF CASE RETIGHTENED, CLEANED ENGINE, TEST RAN OPS CHECK OK, NO LEAKS FOUND.					
EVAN LOBDELL		[REDACTED]		A&P [REDACTED]	
 3200 Airport West Drive Vero Beach, Florida 32960 (772) 569-8473 Fax (772) 563-9500 E-mail: CORPAIR1@aol.com					
DATE	9/7/2018	N#	4089R	A/C S/N	32-40408
TACH	102.9	TT		TSMOH	
REPLACED ENGINE DRIVEN FUEL PUMP WITH NEW UNIT P/N 201F-5003R S/N H-VDN026FP, REPLACED LANDING LIGHT BULB GE4509, REPLACED FUEL CAP O-RINGS P/N 66815-00, REPLACED 3 FUEL TANK QUICK DRAINS WITH NEW CCA-1550.					
EVAN LOBDELL		[REDACTED]		A&P [REDACTED]	



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DATE 11/2/2018 N# 4089R A/C S/N 32-40408
HM 144.9 TT 5150.64 TSMOH 144.9

RESEARCHED AD NOTES C/W AD 2015-19-07 BY VISUAL INSPECTION NEXT DUE AT 5250. COMPRESSION CHECK #1 75/80 , #2 78/80 , #3 78/80 , #4 78/80 , #5 75/80 , #6 76/80, CHANGED OIL SERVICED WITH 11 QTS AEROSHELL 100 MINERAL, REPLACED FILTER CH48110, LUBED ALL CONTROLS, TEST RAN ENGINE OPS CHECK OK.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE.
EVAN LOBDELL [REDACTED] A&P [REDACTED] IA



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DATE 12/28/2018 N# 4089R A/C S/N 32-40408
HM 160.7 TT 5150.64 TSMOH 160.7

REPLACED # 4 CYLINDER ASSY WITH SERVICEABLE UNIT , INSTALLED WITH GASKETS. TORQUED BASE NUTS IAW IO 540 MM. CHANGED OIL SERVICED WITH 11 QTS AEROSHELL 100 MINERAL. REPLACED FILTER WITH NEW CH48110.

EVAN LOBDELL [REDACTED] A&P [REDACTED]



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DATE 2/8/2019 N# 4089R A/C S/N 32-40408
TACH 184.2 TT 5150.64 TSMOH 184.2

CHANGED OIL 12 QTS AEROSHELL W100 PLUS, REPLACED FILTER CH48110, REPLACED FUEL FLOW TRANSDUCER WITH OWNER SUPPLIED UNIT , TEST RNA ENGINE OPS CHECK OK , NO LEAKS FOUND.

EVAN LOBDELL [REDACTED] A&P [REDACTED]



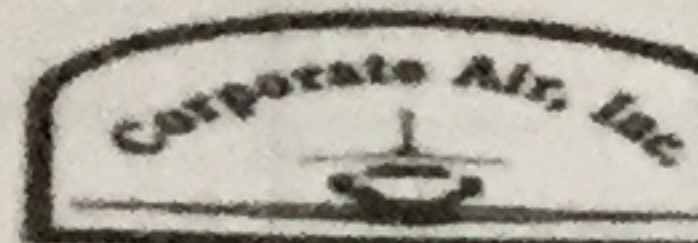
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DATE 5/7/2019 N# 4089R A/C S/N 32-40408
TACH 233.5 TT 5150.64 TSMOH 233.5

CHANGED OIL 12 QTS AEROSHELL W100 PLUS, REPLACED FILTER CH48110. TEST RAN ENGINE OPS CHECK OK.

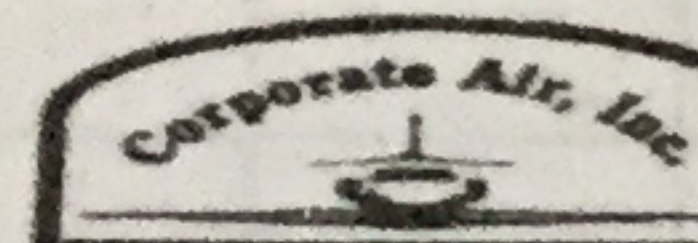
EVAN LOBDELL [REDACTED] A&P [REDACTED]

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
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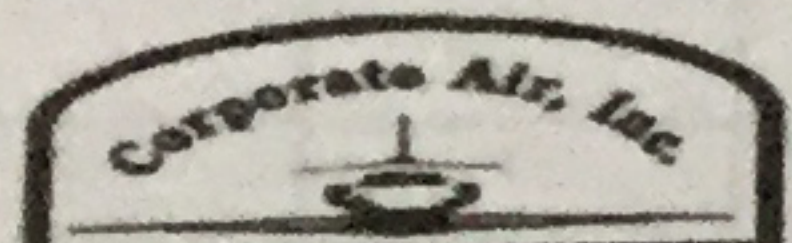
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E-mail: CORPAIR1@aol.com

DATE 6/26/2019 N# 4089R A/C S/N 32-40408
TACH 284.2 TT TSMOH
CHANGED OIL 12 QTS AEROSHELL W100 PLUS, REPLACED FILTER CH48110. TEST RAN ENGINE OPS CHECK OK.
EVAN LOBDELL A&P



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DATE 8/27/2019 N# 4089R A/C S/N 32-40408
TACH 334.1 TT TSMOH
CHANGED OIL SERVICED WITH 11 QTS AEROSHELL W100 PLUS, REPLACED FILTER CH48110. REPLACED FUEL SERVO P/N 2524273-12 S/N 61273 WITH P/N 2524273-12 S/N 70210804. TEST RAN ENGINE ADJUSTED IDLE RPM AND IDLE MIXTURE. NO LEAKS FOUND OPS CHECK OK. REINSTALLED RIGHT MAIN STRUT COVER.
EVAN LOBDELL A&P



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E-mail: CORPAIR1@aol.com

DATE 9/10/2019 N# 4089R A/C S/N 32-40408
TACH 347.3 TT TSMOH
REPLACED VACUUM PUMP PAD OIL SEAL WITH NEW 06A19956, REPLACED GASKET 61183. CLEANED ENGINE, TEST RAN NO LEAKS NOTED.
EVAN LOBDELL A&P

**U.S. Flight Support Inc. Date 10-2-19 N4089R
S/N 32-40408 Engine Log entry TACH 383.2**

Performed oil and filter change cut open old filter inspected for metal none found. Installed new Champion CH48110-1 filter and safetied. Serviced engine with 10 quarts Aeroshell 100W plus oil and performed run up and leak check no leaks detected. Removed and replaced all 12 spark plugs with new RHM38E champion plugs checked gap installed with champion anti seize.

A&P I/A Edward Sorrell

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
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**U.S. Flight Support Inc. Date 12-02-19 IO-540-K1A5
S/N L-5187-48 Engine TSMOH - TACH 435.45 N4089R**

Perform 100hr / annual inspection as per FAR 43 appendix "D". Checked compressions all 75/80 or better. Perform oil and filter change cut open old filter inspected, installed new CH48110-1 oil filter serviced engine with 10 quarts 100Wplus. Cleaned, inspected and gapped spark plugs. Resafetied oil quick drain, Tightened alternator belt and safetied. Removed both magnetos and sent to Tropic Air Power CRS for 500 hour inspection see 8130s. Reinstalled both magnetos with new gaskets timed to engine @20 degrees BTDC. Replaced all 303-4 and -6 hose material on engine except type "D" hoses at this time. Replaced one #6 high pressure hose fittings and reused fire sleeves. Replaced induction air filter with new BA-15, Replaced B3-5-1 Vacuum pump regulator air filter. Checked AD compliance complied with AD 15-19-07 fuel injector lines by visual. I certify this engine has been inspected IAW an annual inspection and is found to be in airworthy condition at this time.

A&P I/A Edward Sorrell

**U.S. Flight Support Inc. Date 1-05-20 Piper PA-32-300
S/N 32-40408 TACH: 0486.4 N4089R log entry**

Performed oil and filter change cut open old filter and inspected no contaminants found. Installed new CH48110-1 filter torqued and safetied. serviced engine with 10 quarts Aeroshell 100Wplus. Performed engine run up and leak check no leaks at this time. This aircraft is approved for return to service with respect to the work that was performed.

A&P I/A Edward Sorrell 2-5-20

Corporate Air

Maintenance, Inc.

DATE 4/8/2020 N# 4089R A/C S/N 32-40408
TACH 536.4 TT TSMOH
CHANGED OIL 12 QTS AEROSHELL W100 PLUS, REPLACED FILTER CH48110. COMPRESSION CHECK #1 75/80, #2 74/80, #3 75/80, #4 72/80, #5 75/80, #6 75/80. TEST RAN ENGINE OPS CHECK OK.
EVAN LOBDELL A&P

N2089R Engine entry Hobbs: 0597.9

Performed oil and filter change cut open old filter and inspected for metal none found. Installed new CH48110-1 oil filter and safetied serviced engine with ten quarts Aeroshell 100 plus. Perform engine run up and leak check none found. This aircraft is approved for return to service with respect to the work performed.

A&P I/A [REDACTED] Edward Sorrell.

K