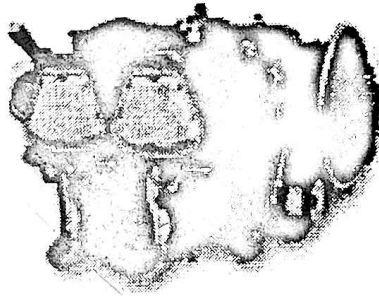


POWERPLANT



MAINTENANCE RECORDS



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

20-360-C1CG

L-30389-5147

ENGINE MAINTENANCE LOG

NEW AND SERVICEABLE



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

N102ERER

Total Time: 4079.5

Tach Time: 138.4

Eng TT: 4079.5

Eng TSMOH: 2082.1

Removed this engine; IO-360-C1C6, s/n L-30389-51A from aircraft N102ER, s/n 2844081 for overhaul. Eng TT: 4079.5, TSMOH: 2082.1.

Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2015 04172

Date: 07 AUG 2015

Signed: Steve Johnson Repair Station N3XR816N.

Steve Johnson

ERAU 9

N3XR816N

7691

NUMBER OR
ENDING WORK

ENGINE MAINTENANCE LOG

Embry Riddle Aeronautical University
FAA Repair Station NX42404M

DATE: 17/FEB/2017

Work Order # 15-200

IO-360-C1C6

L-30389-51A

TIS= 4079.5

TSO = 0 hrs.

OVERHAUL AND TEST RUN BY R/S NX42404M.

OUTSIDE REPAIRS:

ITEM	P/N	S/N	REMARKS
Connecting Rcd (4)	77450	N/A	RECONDITIONED AND CERTIFIED BY R/S# U1R533K, UNDER W/O# 174311, DATED 11/NOV/2013
Flow Divider	2524232-2	ADC4329	OVERHAULED BY R/S# P32R748N, UNDER J/O# IGK37, DATED 29/FEB/2016 VERIFIED FITTINGS INSTALLED IN PRECISION P/N 2524232-2 FLOW DIVIDER CONFORM TO LYCOMING FLOW DIVIDER P/N 78805
Counterweights (2)	LW-19227	J230 / J231	RECONDITIONED AND CERTIFIED BY R/S# U1R533K, UNDER W/O# 174313, DATED 11/NOV/2013

INSTALLED THE FOLLOWING ACCESSORIES:

ITEM	P/N	S/N	REMARKS
Left Magneto	4372	12110202	500 HOUR INSPECTION AND TEST RUN BY R/S# NX42404M, UNDER W/O# 16-073, DATED 26/AUG/2016. TIS: 819.2
Right Magneto	4370	15011193	500 HOUR INSPECTION AND TEST RUN BY R/S# NX42404M, UNDER W/O# 16-071, DATED 26/AUG/2016. TIS: 425.5
Starter	149-NL	FN-481304	REBUILT BY R/S# PQ0852SW, UNDER W/O# 16011802, DATED 22/JAN/2016
Ignition Harness	M-4027	N/A	NEW
Fuel Pump	LW-15473	09AN05	OVERHAULED BY APPROVAL/CERTIFICATE# YV4R688M, UNDER W/O# 109AN-0000, DATED 21/JUL/2015
Spark Plug (8)	REM38E	N/A	NEW

PROVIDED THE FOLLOWING ACCESSORIES:

ITEM	P/N	S/N	REMARKS
Fuel Servo	2524450-9	70257910	OVERHAULED BY R/S# NE2R0281, UNDER W/O# R14-01886, DATED 31/MAR/2014

INSTALLED THE FOLLOWING CYLINDERS:

ITEM	P/N	S/N	REMARKS
Cylinder #1	LW-12993	15-203	OVERHAULED BY R/S# NX42404M, UNDER W/O# 15-203, DATED 12/APR/2016. TIS: 2082.1
Cylinder #2	LW-12993	15-204	OVERHAULED BY R/S# NX42404M, UNDER W/O# 15-204, DATED 12/APR/2016. TIS: 2082.1
Cylinder #3	LW-12993	15-205	OVERHAULED BY R/S# NX42404M, UNDER W/O# 15-205, DATED 12/APR/2016. TIS: 2082.1
Cylinder #4	LW-12993	15-206	OVERHAULED BY R/S# NX42404M, UNDER W/O# 15-206, DATED 12/APR/2016. TIS: 2032.1

C/W AD'S:

90-04-06	C/W BY INSTALLING A NEW LYCOMING PROP GOVERNOR OIL LINE AND CLAMPS P/N LW-12213 (REF. SI 1435).
96-09-10	C/W BY INSPECTING AND REINSTALLING OIL PUMP IMPELLERS P/N LW-18109 AND LW-18110 WITH DRIVE SHAFT P/N 61174 (REF. SB 524).
96-23-03	C/W BY INSTALLING OVERHAULED FUEL PUMP P/N LW15473 (S/N 09AN05) (REF. SB 525A).
97-15-11	C/W BY INSTALLING APPROVED PISTON PINS P/N LW-14078 IN ALL CYLINDERS (REF. SB 527C)
2004-10-14C	C/W BY INSPECTING AND INSTALLING NEW LYCOMING CRANK GEAR P/N 13S19646, TORQUING NEW BOLT P/N STD-2246 TO 204 IN. LBS., AND BENT NEW LOCKPLATE P/N LW-18639 AGAINST BOLT HEAD (REF. SB 475C)
2006-06-16	C/W BY INSPECTING AND VERIFYING CRANKSHAFT P/N 13B47219 S/N V537955112 WAS NOT AFFECTED (REF. SB 566 AND SUPP. 1 TO SB 566, SB 569A AND SUPP. 1 TO SB569A)
2015-19-07	C/W BY INSTALLING NEW LYCOMING FUEL LINES AND SUPPORT CLAMPS (SB 342G)
2012-19-01	C/W BY INSPECTING AND VERIFYING CRANKSHAFT P/N 13B47219 S/N V537955112 WAS NOT AFFECTED (REF. SB 566 AND SUPP. 1 TO SB 566, SB 569A AND SUPP. 1 TO SB569A)

Pertinent details of this repair will be kept on file for two years from the date of this entry.

ENGINE TEST RUN, FILTER AND SCREEN INSPECTION PERFORMED - NO DEFECTS NOTED.

OVERHAUL IAW LYCOMING DIRECT DRIVE OVERHAUL MANUAL P/N 60294-7-14 (REV. 7/11); ILLUSTRATED PARTS CATALOG P/N PC-406-2E (REV. 03/09)

THE ENGINE IDENTIFIED ABOVE WAS OVERHAULED AND INSPECTED IAW THE CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

FAA REPAIR STATION NX42404M INSPECTOR

KRISTEN HAMMER

ENGINE MAINTENANCE LOG

DATE	TACH OR HOBBS TIME :	DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING
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**ENGINE
N110ER**

Tach Time : 2134.2

A/C TOTAL TIME :	<u>2134.2</u>
ENG TOTAL TIME :	<u>4079.5</u>
ENG T.S.M.O.H. :	<u>N/A</u>
TACH TIME :	<u>2134.2</u>
PROP T.S.M.O.H. :	<u>150.7</u>
PROP TOTAL TIME :	<u>2104.8</u>

The engine and related accessories were changed as follows. New lord mounts, hoses, hardware and oil drain valve were installed. Engine was serviced with 8 qts Exxon 20w-50 (non-dispersant) oil. Installed new exhaust gaskets. Idle speed and mixture were adjusted. C/W: AD 2015-19-07 Fuel System inspection. Performed post maint engine run-up for leak check, no leaks noted.

ITEM	REMOVED			INSTALLED		
	PART#	SERIAL #	TIS/TSO	PART#	SERIAL #	TIS/TSO
ENGINE	10-360-C1C6	L-36287-51E	2134.2 TIS	10-360-C1C6	L-30389-51A	0.0 TSO
PROP	B2D34C213-B	130710	150.7 TSO	B2D34C213-B	130710	150.7 TSO
STARTER	149-NL	FN-381481	629.3 TIS	MZ6222	FN-381481	629.3 TIS
ALTERNATOR	ALX 8521	H-N090754	2134.2 TIS	ALX 8521	H-Q110101	0.0 TSO
OIL COOLER	20017A	K10-9044-8	2134.2 TIS	20017A	J03-2703-4	0.0 TSO
MAGNETO (S)	L: 4372	16070628	250.6 TIS	4372	12110202	0.0 TSO
	R: 4370	14021174	250.6 TSO	4370	15011193	0.0 TSO
INJECTOR	2524450-9	AV171461297	2134.2 TIS	2524450-9	70257910	0.0 TSO
FUEL PUMP	LW-15473	H2013	2134.2 TIS	LW-15473	09AN05	0.0 TSO
DISTRIBUTOR	78805	AV171461589	2134.2 TIS	2524232-2	ADC4329	0.0 TSO
GOVERNOR	463-156	G126WJ	2134.2 TIS	463-156	G126WJ	2134.2 TIS

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017 01560 Date: 06 APR 2017

Signed: Steve Johnson Repair Station N3XR816N.

Steve Johnson	ERAU 9
N3XR816N	7691



**EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY**

I certify that this ENGINE-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service : 4118.5

A/C TOTAL TIME :	<u>2173.2</u>
ENG TOTAL TIME :	<u>4118.5</u>
ENG T.S.M.O.H. :	<u>39.0</u>
TACH TIME :	<u>2173.2</u>
PROP T.S.M.O.H. :	<u>189.7</u>
PROP TOTAL TIME :	<u>2143.8</u>

Compressions: 1) 74/80 2) 76/80 3) 76/80 4) 75/80. Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480E (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W50 & CH48111 filter. Cleaned, gapped, serviced & rotated sparkplugs. Cleaned fuel nozzles. Complied with A.D. 2015-19-07 (fuel sys.). Inspected fuel inlet filter & threads. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Tightened and resafetied the oil dipstick tube. Tightened lower cylinder baffle by the #3 cylinder. Performed post maint engine run-up for leak check, no leaks noted. Operational check good.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017-01810 Date: 4/18/17

Signed: Ralph Wixon Repair Station N3XR816N.

Ralph Wixon	ERAU 30
N3XR816N	9130

NEW AND SERVICEABLE
PARTS TAGS

NEW AND SERVICEABLE PARTS TAGS

[illegible]

EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

**ENGINE-PA28R
N110ER**

Time in Service : 4163.2

Complied with **EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.**

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.
Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480E (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W-50 & CH48111 filter. Performed post maint engine run-up for leak check, no leaks noted. Operational check good.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # **RMS 2017-02039**

Date: 5/2/17

Signed: AKW Repair Station N3XR816N.

A/C TOTAL TIME :	<u>2217.9</u>
ENG TOTAL TIME :	<u>4163.2</u>
ENG T.S.M.O.H. :	<u>83.7</u>
TACH TIME :	<u>2217.9</u>
PROP T.S.M.O.H. :	<u>234.4</u>
PROP TOTAL TIME :	<u>2188.5</u>

**UMBER OR
RMING WORK**




EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

I certify that this ENGINE-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.

Time in Service : 4214.2

Compressions: 1) 76/80 2) 70/80 3) 74/80 4) 76/80. Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480E (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W50 & CH48111 filter. Cleaned, gapped, serviced & rotated sparkplugs. Cleaned fuel nozzles. Complied with A.D. 2015-19-07 (fuel sys.). Inspected fuel inlet filter & threads. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Performed post maint engine run-up for leak check, no leaks noted. Operational check good.


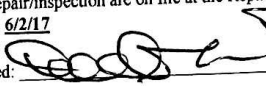

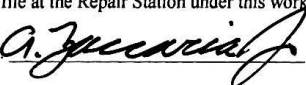
The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station/under this work order: WO # RMS 2017-02245 Date: 5/17/17

Signed:  Repair Station N3XR816N.

A/C TOTAL TIME : 2268.9
ENG TOTAL TIME : 4214.2
ENG T.S.M.O.H. : 134.7
TACH TIME : 2268.9
PROP T.S.M.O.H. : 285.4
PROP TOTAL TIME : 2239.5

Ralph Wixon ERAU 30
N3XR816N 9130

ENGINE MAINTENANCE LOG

DATE	TACH OR HOBBS TIME :	DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUM SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORM
		<div><div>EMBRY-RIDDLE AERONAUTICAL UNIVERSITY</div><div>ENGINE-PA28R N110ER Time in Service : <u>4255.5</u></div><div><div>Dave Ober ERAU 16 N3XR816N 1578</div><div><div>A/C TOTAL TIME : <u>2310.2</u> ENG TOTAL TIME : <u>4255.5</u> ENG T.S.M.O.H. : <u>176.0</u> TACH TIME : <u>2310.2</u> PROP T.S.M.O.H. : <u>326.7</u> PROP TOTAL TIME : <u>2280.8</u></div></div></div><div>Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST. Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480E (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W-50 & CH48111 filter. Performed post maint engine run-up for leak check, no leaks noted. Operational check good. The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # <u>RMS 2017 02497</u> Date: <u>6/2/17</u> Signed:  Repair Station N3XR816N.</div></div>
		<div><div>EMBRY-RIDDLE AERONAUTICAL UNIVERSITY</div><div>I certify that this <u>ENGINE-PA28R (N110ER)</u> has been inspected in accordance with an <u>ANNUAL</u> inspection and was found to be in an airworthy condition. Time in Service : <u>4311.7</u></div><div>Compressions: 1) 76/80 2) 75/80 3) 75/80 4)74/80. Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480E (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W50 & CH48111 filter. Cleaned, gapped, serviced & rotated sparkplugs. Cleaned fuel nozzles. Complied with A.D. 2015-19-07 (fuel sys.). Inspected fuel inlet filter & threads. Tightened all fluid lines and hoses. Replaced air induction filter. Repaired right magneto P lead. Installed and tightened ignition leads. Performed post maint engine run-up for leak check, no leaks noted. Operational check good. The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # <u>RMS 2017 02834</u> Date: <u>06/27/17</u> Signed:  Repair Station N3XR816N.</div><div><div>Al Zaccaria ERAU 38 N3XR816N 8755</div><div><div>A/C TOTAL TIME : <u>2366.4</u> ENG TOTAL TIME : <u>4311.7</u> ENG T.S.M.O.H. : <u>232.2</u> TACH TIME : <u>2366.4</u> PROP T.S.M.O.H. : <u>382.9</u> PROP TOTAL TIME : <u>2337.0</u></div></div></div></div>

NEW AND SERVICEABLE
PARTS TAGS

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NEW A

CONFORMANCE

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DATE

7/26/17

P.O. NUMBER

02526

ORDER NUMBER

CO 236477

SIGNATURE

**EMBRY-RIDDLE**
AERONAUTICAL UNIVERSITY

ENGINE-PA28R

N110ER

Time in Service : 4353.8

Dave Ober ERAU 16

N3XR816N 1578

A/C TOTAL TIME :	4353.8
ENG TOTAL TIME :	274.3
ENG T.S.M.O.H. :	2408.5
TACH TIME :	425.0
PROP T.S.M.O.H. :	2379.1
PROP TOTAL TIME :	

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.

Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480E (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W-50 & CH48111 filter. Performed post maint engine run-up for leak check, no leaks noted. Operational check good.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017 03099

Date: 7/14/17

Signed:

Repair Station N3XR816N.

**EMBRY-RIDDLE**
AERONAUTICAL UNIVERSITYI certify that this ENGINE-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service : 4406.6

A/C TOTAL TIME :	2461.3
ENG TOTAL TIME :	4406.6
ENG T.S.M.O.H. :	327.1
TACH TIME :	2461.3
PROP T.S.M.O.H. :	477.8
PROP TOTAL TIME :	2431.9

Compressions: 1) 76/80 2) 74/80 3) 76/80 4) 72/80. Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480E (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W50 & CH48111 filter. Cleaned, gapped, serviced & rotated sparkplugs. Cleaned fuel nozzles. Complied with A.D. 2015-19-07 (fuel sys.). Inspected fuel inlet filter & threads. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Replaced prop governor with a serviceable P/N: F2-7A. Removed governor with S/N: G126WJ and installed governor with S/N: G146WJ. Adjusted governor as needed. Performed post maint engine run-up for leak check, no leaks noted. Operational check good.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017-03380 Date: 8/1/17

Signed:

Repair Station N3XR816N.

Steve Johnson ERAU 9

N3XR816N 7691

ENGINE MAINTENANCE LOG

DATE	TACH OR HOBBS TIME :	DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK
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N110ER

Total Time: 2488.7

Airworthiness Directive 2017-16-11, Lycoming Engines, Amendment 39-18988 previously complied with by compliance with Mandatory Lycoming Service Bulletin #632B, dated August 4, 2017, par. (1) & (2) as described in par. (c) (1) & (2) of this AD.

WO # RMS-2017-03550 Date: Aug. 11, 2017

Signed: C. E. Sundland Repair Station N3XR816N.



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

ENGINE-PA28R

N110ER

Time in Service : 4448.4

A/C TOTAL TIME :	<u>2503.1</u>
ENG TOTAL TIME :	<u>4448.4</u>
ENG T.S.M.O.H. :	<u>368.9</u>
TACH TIME :	<u>2503.1</u>
PROP T.S.M.O.H. :	<u>519.6</u>
PROP TOTAL TIME :	<u>2473.7</u>

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.
Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480E (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W-50 & CH48111 filter. Performed post maint engine run-up for leak check, no leaks noted. Operational check good.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017 03660

Date: 18 AUG 2017

Signed: Steve Johnson Repair Station N3XR816N.

Steve Johnson	ERAU 9
N3XR816N	7691



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

I certify that this ENGINE-PA28R (N110ER) has been inspected in accordance with an ANNUAL Inspection and was found to be in an airworthy condition.
Time in Service : 4499.9

A/C TOTAL TIME :	<u>2554.6</u>
ENG TOTAL TIME :	<u>4499.9</u>
ENG T.S.M.O.H. :	<u>420.4</u>
TACH TIME :	<u>2554.6</u>
PROP T.S.M.O.H. :	<u>571.1</u>
PROP TOTAL TIME :	<u>2525.2</u>

Compressions: 1) 75/80 2) 76/80 3) 78/80 4) 75/80. Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480F (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W50 & CH48111 filter. Replaced all sparkplugs w/new REM38S plugs. Cleaned fuel nozzles. Complied with A.D. 2015-19-07 (fuel sys.). Inspected fuel inlet filter & threads. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Replaced LT mag; 4372, s/n off: 12110202, s/n on: 12090083. Replaced RT mag; 4370, s/n off: 15011193, s/n on: 14010992. Removed propeller, desludged crank shaft/prop, re-installed prop, and safetied bolts. Tightened and secured oil dip stick tube. Performed post maint engine run-up for leak check, no leaks noted. Operational check good.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017 04057 Date: 21 SEPT 2017

Signed: Jack Ham A&P/IA# 3665959

PARTS TAGS

NEW AND SERVICEABLE PARTS TAGS

[illegible]

EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

N110ER

Time in Service : 4542.2

Complied with **EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.**

Complied with EMBRY-KIDDLES, 50 HOUR INSPECTION CHECK LIST.
Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480F (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W-50 & CH48111 filter. Replaced fuel line from pump to servo. Performed post maint engine run-up for leak check, no leaks noted. Operational check good.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # **RMS 2017-04595**

Date: 10/19/17

Signed:

Repair Station N3XR816N.

A/C TOTAL TIME : 2596.9
ENG TOTAL TIME : 4542.2
ENG T.S.M.O.H. : 462.7
TACH TIME : 2596.9
PROP T.S.M.O.H. : 613.4
PROP TOTAL TIME : 2567.5

NUMBER OR MINING WORK



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

I certify that this ENGINE-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service : 4595.1

Compressions: 1) 76/80 2) 76/80 3) 78/80 4) 72/80. Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480F (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W50 & CH48111 filter. Cleaned, gapped, serviced & rotated sparkplugs. Cleaned fuel nozzles. Complied with A.D. 2015-19-07 (fuel sys.). Inspected fuel inlet filter & threads. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Performed post main engine run-up for leak check, no leaks noted. Operational check good.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017-05118 Date 11/15/17 Paul Wixon FAA 1130

Signed:

Repair Station N3XR816N.

A/C TOTAL TIME :	<u>2649.8</u>
ENG TOTAL TIME :	<u>4595.1</u>
ENG T.S.M.O.H. :	<u>515.6</u>
TACH TIME :	<u>33.8</u>
PROP T.S.M.O.H. :	<u>666.3</u>
PROP TOTAL TIME :	<u>2620.4</u>

Ralph Wixon

ERAU 30

N3XR816N

9130



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Lycoming

Model: IO-360-C1C6

Tail: installed on N51 WE

S/N: L-36287-51E

Hours: Tach:472.4

Drained engine oil, replace oil filter. Added 7 Qts Phillips 66 20w50 engine oil. Performed ops check. All work done in accordance to Piper PA-28R-201 AMM.

Landon Reeder

Signed:

Name: Adam Piepke

Cert: Mechanic: 3965513 AP
IA

Date: 02/09/2022

log book

entry out of

2^o order NG

ENGINE MAINTENANCE LOG

DATE TACH OR
HOBBS
TIME :



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

ENGINE-PA28R
N110ER

Time in Service : 4643.6

Complied with EMBRY-RIDDLES, 50 HOUR INSPECTION CHECK LIST.
Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480F (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W-50 & CH48111 filter. Performed post maint engine run-up for leak check, no leaks noted. Operational check good.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2017 05529

Date: 12/05/17

Signed: A. Zaccaria

Repair Station N3XR816N

Al Zaccaria

ERAU 38

N3XR816N

8755

A/C TOTAL TIME : 2698.3
ENG TOTAL TIME : 4643.6
ENG T.S.M.O.H. : 564.1
TACH TIME : 82.3
PROP T.S.M.O.H. : 714.8
PROP TOTAL TIME : 2668.9



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

I certify that this ENGINE-PA28R (N110ER) has been inspected in accordance with an ANNUAL Inspection and was found to be in an airworthy condition.
Time in Service : 4685.2

Compressions: 1) 77/80 2) 76/80 3) 78/80 4) 74/80. Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S. B. 480F (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W50 & CH48111 filter. Cleaned, gapped, serviced & rotated sparkplugs. Cleaned fuel nozzles. Complied with A.D. 2015-19-07 (fuel sys.). Inspected fuel inlet filter & threads. Tightened all fluid lines and hoses. Installed and tightened ignition leads. Performed post maint engine run-up for leak check, no leaks noted. Operational check good.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2018 001880 Date: 01/16/18

Signed: Korey Dickerson

Korey Dickerson

Repair Station N3XR816N.

Korey Dickerson ERAU 45
N3XR816N 1619

A/C TOTAL TIME : 2739.9
ENG TOTAL TIME : 4685.2
ENG T.S.M.O.H. : 605.7
TACH TIME : 123.9
PROP T.S.M.O.H. : 611.5
PROP TOTAL TIME : 2547.5



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

ENGINE-172S

N110ER

Time in Service: 2786.9

Complied with EMBRY-RIDDLE'S 50 HOUR INSPECTION CHECKLIST.

Drained oil and took oil sample. Complied with Lycoming S.I. 1492D (oil filter insp.) & S.B. 480E (Oil filter & suction screen insp.) and replaced suction screen gasket. Removed and replaced CH48111 oil filter and serviced engine with 8 QTS. Exxon Elite 20W-50 oil. Removed and cleaned bottom spark plugs and performed compression test: 1) 78/80 2) 78/80 3) 78/80 4) 72/80. Inspected the engine and associated components including the starter, alternator, and fuel servo and found no defects. Inspected fuel servo inlet filter, replaced seals and re-torqued. Removed and replaced cylinder # 1 exhaust gasket, tighten cylinder #2 oil return lines. Performed post maintenance engine run-up for leak check, no leaks noted, operational check good aircraft ok for return to service.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair / inspection are on file at the Repair Station under this work order: WO # RMS 2018 00674 Date: 2/7/18

Signed: Korey Dickerson

Korey Dickerson

Certified Repair Station N3XR816N.

Korey Dickerson ERAU 45
N3XR816N 1619

A/C TOTAL TIME: 2786.9
ENG TOTAL TIME: 4732.2
ENG T.S.M.O.H.: 652.7
TACH TIME: 170.9
PROP T.S.M.O.H.: 658.5
PROP TOTAL TIME: 2594.5

PARTS TAGS

ENGINE MAINTENANCE LOG



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

I certify that this ENGINE-PA28R (N110ER) has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.
Time in Service : 4783.8

Korey Dickerson ERAU 45
N3XR816N 1619

A/C TOTAL TIME : 2828.5
ENG TOTAL TIME : 4783.8
ENG T.S.M.O.H. : 704.3
TACH TIME : 222.5
PROP T.S.M.O.H. : 710.1
PROP TOTAL TIME : 2646.1

ABLE

Compressions: 1) 74/80 2) 72/80 3) 76/80 4) 75/80. Took oil sample, cut and inspected oil filter. Complied with: S.I. 1492D (oil filter insp.) & S.B. 480F (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W50 & CH481111 filter. Cleaned, gapped, serviced & rotated sparkplugs. Cleaned fuel nozzles. Complied with A.D. 2015-19-07 (fuel sys.). Inspected fuel inlet filter & threads. Tightened all fluid lines and hoses. Retimed left and right magnetos to 20 degrees BTDC. Installed and tightened ignition leads. Performed post maint engine run-up for leak check, no leaks noted. Operational check good.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: WO # RMS 2018-01178 Date: 03/05/2018

Signed: Korey Dickerson Repair Station N3XR816N.
Korey Dickerson

DATE **TACH OR HOBBS TIME :** **DESCRIPTION OF WORK PERFORMED.**
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK



EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY

ENGINE-172S
N110ER

Time in Service: 4824.3

A/C TOTAL TIME : 2879.0
ENG TOTAL TIME : 4824.3
ENG T.S.M.O.H. : 744.8
TACH TIME : 263.0
PROP T.S.M.O.H. : 750.6
PROP TOTAL TIME : 2686.6

Complied with **EMBRY RIDDLES 50 HOUR INSPECTION CHECKLIST.**

Complied with: Lycoming S.I. 1492D (oil filter insp.) & S.B. 480F (Oil filter & suction screen insp.). Changed oil & filter with 8 QTS. Exxon Elite 20W-50 & CH481111 filter. Took oil sample. Inspected fuel servo inlet filter, replaced seals and re-torqued. Compressions: 1) 00/80 2) 00/80 3) 00/80 4) 00/80. Cleaned, gapped, tested, and re-installed bottom spark plugs. Performed post maint engine run-up for leak check, no leaks noted. Operationally checked good.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair / inspection are on file at the Repair Station under this work order: WO # RMS 2018 01546 Date: 23 MAR 2018

Signed: Steve Johnson Certified Repair Station N3XR816N.

Steve Johnson ERAU 9
N3XR816N 7691

Lycoming IO-360-C1C6, s/n: L-30389-51A, was installed on 2014 Piper PA-28R-201 N110ER, s/n: 2844148, when it was flown from Daytona Beach, Florida to Bainbridge, Georgia on 10/19/18, parked in an enclosed hangar and locked.

Signed: [Signature] Date: 4-2-21



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Lycoming
Model: IO-360-C1C6
Tail: N51WE
S/N: L-30389-51A


Hours: Tach: 373.0

Drained engine oil. Added 7 qts X/C 20W50 IAW PA-28R-201 AMM. Leak/ops check completed.

Signed: [Signature]
Name: Justin Pate

Cert: Mechanic: 4391662 AP
Date: 12/10/2021

ENGINE MAINTENANCE LOG

DATE	TACH OR HOBBS TIME :	DESCRIPTION OF WORK PERFORMED. <small>ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK</small>
		Log Book Entry - Engine
		Lycoming IO-360-C1C6 s/n L-30389-51A
		05-05-2021 Tach 293.1 SMOH 774.9
		TT 4854.4
		Annual inspection completed this date. Oil changed with 8 qts Aeroshell W100 plus, and 1 can of Avblend. Filter changed with CH48111. Opened filter, no metal detected. Cleaned spark plugs and injector nozzles. Compression check (1)72/80 (2) 74/80 (3) 72/80 (4) 72/80. C/W AD 15-19-07 by inspection of external fuel injector lines due each 110 hours in service. AD 17-16-11 N/A p/n 77450 rod assy installed. AD20-25-12 N/A, Lycoming p/n 13B47219 crankshaft installed. AD's check thru 21-09 and are in compliance at this time. I certify that this engine was inspected I/A/W and annual inspection and was determined to be in airworthy condition.
		 Thomas B Ashcroft A&P 267061041 I.A.



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Hours: AC: TT: 411.8 EngTT: PropTT: Hobbs: Misc:

Performed a 100 hr inspection IAW FAR 43 app. D.
Compressions: 1.80/80 2.78/80 3.79/80 72/80

Drained oil and cut open filter, no metal found, installed new filter p/n CH 48111-1 and services sump w/ 6 qts. of X/C 20w50. No applicable AD's due at this time. I certify this engine has been inspected IAW a 100 hr. inspection and has been determined to be in an airworthy condition.

Signed: 
Name: Adam Piepke

Cert: Mechanic: 3965513 AP
IA
Date: 01/25/2022

ENGINE MAINTENANCE LOG

NEW AND SERVICEABLE PARTS TAGS

DESCRIPTION OF WORK PERFORMED.
ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK

DATE TACH OR HOBBS TIME :



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Hours: AC: 3121.2 TT: 505.2 EngTT: 3121.2 PropTT: 2928.8 SMOH: 986.9

Completed Annual Inspection IAW FAR 43 Appendix D. Drained/Replaced oil 7qts of X/C 20w-50. Removed/Inspected/Replaced CH48111-1 oil filter, no metal detected. Tested spark plugs, replaced lower plugs on cylinders #2, #4 with REM38S. CW AD 15-19-07 via visual inspection due at next 110 hrs in service or when fuel lines are disturbed. Compression check (1) 80/80 (2) 80/80 (3) 80/80 (4) 75/80. No further AD's due at this time. I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be an airworthy condition.

Nathaniel Griffith A: 4457220

Signed:

Name: Adam Piepke

Cert: Mechanic: 3965513 AP
IA

Date: 02/25/2022



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Hours: tach: 548.6 TSMOH: 1029.8 ETT: 4561.3

Performed Performed a 100 hr. inspection IAW FAR 43 app. D and using pa-28r-201 AMM as guide. no applicable AD's due. compressions: 1: 78/80 2: 79/80 3: 80/80 4: 72/80 drained oil, removed filter and cut open, no metal found, installed new filter p/n CH48111-1, serviced sump with 8 qts. of x/c 20w50. I certify this engine has been inspected IAW a 100 hr. inspection and has been determined to be in an airworthy condition.

Signed:

Name: Adam Piepke

Cert: Mechanic: 3965513 AP
IA

Date: 03/31/2022



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 2844148

Hours: AC: 3264.4 TT: 648.4 EngTT: 5209.7 PropTT: 3072.6 Hobbs: Misc. SMOH 1129.6

Performed a 100 hour inspection IAW FAR 43 app. D and using pa-28r-201 AMM as guide. Complied with AD 2015-19-07. No further AD's due at this time. compressions 1: 79/80 2: 78/80 3: 78/80 4: 76/80 Drained oil, removed filter and cut open. No metal found, installed new filter p/n CH48111-1, serviced sump with 7qts. of x/c 20w50. I certify this engine has been inspected IAW a 100 hr inspection and has been determined to be in an airworthy condition

Signed:

Name: Logan Baker

Cert: Mechanic: 4638550 P

Date: 05/26/2022



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

DATE

Hours: AC: 3368.1 TT: 752.1 EngTT: 5313.4 SMOH:1233.3 PropTT: 3176.3 Hobbs: Misc:

Completed Annual Inspection IAW FAR 43 Appendix D. Drained/Replaced oil 7qts of X/C 20W-50. Removed/Inspected/Replaced CH48111-1 oil filter, no metal detected. CW AD 15-19-07 via visual inspection due at next 110 hrs in service or when fuel lines are disturbed. Compression check (1) 72/80 (2) 78/80 (3) 80/80 (4) 76/80. I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be an airworthy condition.

Signed:

Cert: Mechanic: 3965513 AP
IA

Date: 07/19/2022

Name: Adam Piepke



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Hours: AC: 3460.1 TT: 844.1 EngTT: 5405.5 SMOH 1325.3 PropTT: 3268.3 Hobbs: Misc:

Completed Annual Inspection IAW FAR 43 Appendix D. Drained engine oil. Removed and cut open engine oil filter. No metal found. Installed new engine oil filter P/N CH48111-1. Added 7qts of Phillips 66 X/C 20W-50. Compressions 1 78/80 2 79/80 3 80/80 4 76/80. No AD's due at this time. I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be an airworthy condition.

Signed:

Cert: Mechanic: 3965513 AP
IA

Date: 08/23/2022

Name: Adam Piepke



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Hours: AC: 3,523.7 TT: 907.7 EngTT: 5,469.1 TSMOH 1,389.5 PropTT: 1,395.3 Hobbs: 4 156.2 Misc:

Completed 100 hour Inspection IAW FAR 43 Appendix D using PA-28R-201 AMM as reference. Drained engine oil. Removed and cut open engine oil filter. No metal found. Installed new engine oil filter P/N CH48111-1. Added 7qts of Phillips 66 Victory 20W-50. Cylinder compressions 1 78/80 2 80/80 3 79/80 4 77/80. No AD's due at this time. I certify that this engine has been inspected IAW 100 hour Inspection and has been determined to be an airworthy condition.

Signed:

Cert: Mechanic: 4653415 AP

Date: 09/30/2022

Name: Joshua Kennedy



West Aircraft Maintenance
280 Gardner Dr
New Century KS 66031
19137024570

Make: Piper
Model: PA-28R-201
Tail: N51WE
S/N: 28-44148

Hours: TT: 908.1

Replaced alternator with overhauled unit P/N ALX-8521 S/N H-P050174 using piper PA-28R-201 AMM as reference.

Signed:

Cert: Mechanic: 4653415 AP

Date: 10/05/2022

Name: Joshua Kennedy

Created 01/24/2023 S/N L-30389-51A Engine 1 Tach 1003.90 TTIS 5565.3 TSOH 1485.1

Completed an annual inspection IAW FAR 43 app. D with reference to Piper PA-28R AMM. c/w AD 15-19-07 IAW Lycoming Engines Mandatory Service Bulletin (MSB) No. 342G0 next due 1/24 or ETT: 5665.3 or next time lines disturbed. No other applicable AD's due at this time. Compressions 1 78/80 2 79/80 3 79/80 4 36/80. Removed cyl #4 sent to ACE inc. for overhaul reference ACE W/O invoice # 6487. Reinstalled same cylinder with same piston and new rings P/N AL3601SC. compression 76/80 Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N CH48111-1 and serviced oil sump with 8qts of Aeroshell W80. I certify that this engine has been inspected IAW an annual inspection and has been determined to be in an airworthy condition.

Adam Piepke #A 3965513 Date: 1/24/23 Signature:

ENGINE MAINTENANCE LOG

NEW AND SERVICEABLE
PARTS TAGS

TACH OR HOBBS TIME :	DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK
<div>1588.70</div> <div>Created 09/01/2023 S/N L-30389-51A Engine 1 Tach 3602.30 TTIS 5668.90 TSOH</div> <div>Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28R-201 AMM 5-20-00. Researched AD's through bi-weekly report 2023-18 and complied with AD# 15-13-07. Compressions #1 79/80 #2 79/80 #3 79/80 #4 79/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N CH43111-1 and serviced oil sump with 7qts of Aeroshell W100. Removed RH magneto P/N 4370 S/N 04160828 and replaced with RH magneto P/N 4370 S/N 07092103/ L-01146. Removed LH magneto P/N 4372 S/N 18020938B and replaced with LH magneto P/N 4372 S/N 09101344/ L-01406. Timed magnetos to engine with reference to engine data plate. Replaced LH magneto stand off gasket P/N 08-11606. I certify that this engine has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.</div> <div>Dominic Blewett P # 4872828 Date: 9/1/23 Signature: <i>Dominic Blewett</i></div>	
<div>Created 10/31/2023 S/N L-30389-51A Engine 1 Tach 3662.80 TTIS 5729.40 TSOH 1649.20</div> <div>Remove broken Manifold Press Line and installed new line IAW Piper PA-28R-201 Arrow Maintenance Manual.</div> <div>Dominic Blewett P # 4848287 Date: 10/31/23 Signature: <i>Dominic Blewett</i></div>	
<div>Created 02/02/2024 S/N L-30389-51A Engine 1 Tach 3692.70 TTIS</div> <div>5759.30 TSOH 1679.10</div> <div>Completed an annual/100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28R-201 AMM 5-20-00. Researched AD's through bi-weekly report 2024-02 Compressions #1 68/80 #2 66/80 #3 70/80 #4 68/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48111 and serviced oil sump with 7qts of Aeroshell W80. C/W AD 15-19-07 effective date Nov 3 2015, per Lycoming Engines Mandatory Service Bulletin (MSB) No. 342 and par E of this AD. Replaced No. cyl clamps w/new P/N: SL16266-10-75 and SL16266-10-13 next due at ACTT: 3867.10. Replaced #1,2,4 intake gaskets w/new P/N: 71913. Removed, cleaned, inspected, and reinstalled fuel injectors per Lycoming service instruction No. 1414B. Retimed both mags to 20 degrees BTDC. I certify that this engine has been inspected in accordance with an annual/100 HR inspection and was determined to be in airworthy condition.</div> <div>Gregory Warton #3807766 A&P IA Date: 2/2/24 Signature: <i>Gregory Warton</i></div>	

MAINTENANCE LOG


DESCRIPTION OF WORK PERFORMED.
MUST BE ENDORSED WITH REPAIR STATION NUMBER OR
CERTIFICATE NUMBER OF PERSON PERFORMING WORK

Created 04/01/2024 S/N L-30389-51A Engine 1 Tach 3773.40

TTIS 5840.00 TSOH 1759.80

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28R-201 AMM 5-20-00. Researched AD's through bi-weekly report 2024-06. Complied with AD 2015-19-07 with reference to Lycoming mandatory service bulletin No. 342G. No other applicable AD's due at this time. Compressions #1 79/80 #2 79/80 #3 76/80 #4 79/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48111 and serviced oil sump with 7qts of Aeroshell W80. Cleaned, inspected and reinstalled fuel injectors.

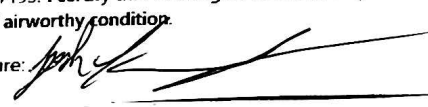
I certify that this engine has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.

Logan Baker P#4638550 Date: 4/1/24 Signature: 

5,935.4 JK

Created 10/15/2024 N51WE Piper Arrow S/N L-30389-51A Engine 21.5 TTIS 5868.0

Completed 100 Hr. inspection IAW FAR 43 app D referencing PA-28-210 AMM 5-20-00. Researched AD's through bi-weekly report 2024-20. Complied with AD2015-19-07 with reference to lycoming mandatory service bulletin No.342G. No other applicable AD's due at this time. Compression #1. 72/80 #2. 73/80 #3. 70/80 #4. 74/80. Drained oil sump removed and cut open oil filter. No metal found. Installed oil filter P/N AA48111 and serviced oil sump with 7qts of Aeroshell W100. Removed and replaced #4 rocker box gasket P/N 67193. I certify that this engine has been inspected in accordance with a 100 Hr inspection and was determined airworthy condition.

Josh Kennedy A&P# 4653415 Date 10/15/2024 Signature: 

KC

Created 03/21/2025 Aircraft Registration Number: N51WE Make: Lycoming Model: IO-360-
C1C6 S/N: L-30389-51A TT: 47.30 TTIS: 5961.30 TSOH: 1855.20

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28R-201 AMM 5-20-00 and Lycoming IO-360-C1C6 MM. Researched AD's through bi-weekly report 2025-05. No applicable AD's due at this time. Compressions #1 72/80 #2 75/80 #3 77/80 #4 75/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48111 and serviced oil sump with 7qts of Aeroshell W80. Complied with AD 2024-21-02. No metal or bronze found. Inspected and reinstalled spark plugs. Removed and cleaned fuel injectors and reinstalled. Complied with AD 2015-19-07 for fuel injector inspection. Performed engine run up and leak check, no defects noted. I certify that this engine has been inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition.

Josh Kennedy A&P 4653415 Date: 3/21/25 Signature: 

Date: 3-21-2025

N51WE s/n 2844148

Tach: 47.5

TTAF: 3959.1

TSMOH: 1855.2

Inspected engine in accordance with FAR 43 appendix D. Performed compression check with the following results: #1 72/80 #2 75/80 #3 77/80 #4 75/80. Oil Filter cut open for inspection. No defects noted. AD 2015-19-07 complied with at this time. No defects noted. Next due by 4069.1 or when maintenance is performed on the lines or nozzles. Ground ran aircraft. Operation and leak check satisfactory. I certify this engine has been inspected in accordance with an Annual Inspection and has been determined to be in an airworthy condition.

Barry Lamb A&P34706571A

