

ENGINE DESCRIPTION

MANUFACTURER LYCOMING MODEL IO-540-AE1A5

SERIAL NUMBER L-29425-48A DATE OF MANUFACTURE 31 MAR 04

RATED BHP _____ RPM _____ MANIFOLD PRESSURE _____

FUEL REQUIRED OCTANE/PERFORMANCE 100LL

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

manufactured
and Federal
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REPRESENTATIVE)

ING ENGINES
652 Oliver Street
A 17701 U.S.A.

Annual
T.M.

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INSPECTION & MAINTENANCE RECORD

PRAIRIE AIR INC.

ENGINE LOG

DATE	MAKE/MODEL	TACH	TT	REGISTRATION	S/N
3/27/2020	LYC IO-540	1906.2	1906.2	N107EH	L-29425-48A

COMPLETED ENGINE INSPECTION THIS DATE AND TIME. ALL INSPECTIONS AND WORK WAS PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED AUG 2019 AND LYCOMING DIRECT DRIVE O/H MANUAL AND APPLICABLE SERVICE INSTRUCTIONS THRU 1/2020. C/W AD 2015-19-04 (ED 11/03/2015) FUEL INJECTOR LINE INSPECTION I/A/W par (e)(ii). NO DEFECTS NOTED, NEXT DUE AT A/C TT 2016.2 OR 3/2021. NOTE CURRENT AD LISTING WITH SAME DATE AND TIME IN AIRCRAFT PERMANENT RECORDS. PERFORMED DIFFERENTIAL COMPRESSION CHECK I/A/W LYC SI 1191A LOWEST ALLOWABLE PRESSURE IS 60PSI. ALL COMPRESSION RESULTS OVER 80 PSI. #1 77 #2 77 #3 77 #4 78 #5 78 #6 78. SET TIMING, I/A/W LYC SI 1437. CHANGED ENGINE OIL AND FILTER INSPECTED SCREEN SERVICED TO 9 QTS PHILLIPS 20W-50 OIL AND CHAMPION CH48108-1 FILTER C/W LYC SB480E OIL AND OIL SCREEN INSPECTION, NO DEFECTS NOTED. SET IDLE TO WITH-IN LIMITS. SET ALT BELT TENSION IAW LYC SI 1129B. TROUBLESHOOT GOV/ENGINE RPM SYSTEM, FOUND PROBLEM WITH POINTS, REMOVE MAG AND INSPECT, FOUND POINTS NOT OPENING ADJUST AND TEST. RETIME MAIN POINTS, FOUND AT 14 DEGREES, REMOVE LH MAG AND RETIME POINTS, INSTALL AND TIME TO ENGINE P/N: 1 EA SL62224. REMOVE AND REPLACE RH ENGINE BAFFLE PARTS: 1 EA D380-10, 1 EA D380-12. REMOVE AND REPLACE #6 CYLINDER INBOARD EXHAUST STUD PARTS: 3 EA 31C-12, 1 EA 77611, 1 EA 21FKF-518. TEST RAN AND PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THE TIME OF INSPECTION.

X

JOSEPH V. LARUE A/P

N
25-48A
MAINTENANCE MANUAL
IS THRU 1/2020. C/W AD 2015-
8.8 OR 1/2021. NOTE
COMPRESSION CHECK I/A/W
#5 78 #6 78. SET TIMING,
ND CHAMPION CH48108-1
T BELT TENSION IAW LYC
E CLEARANCES ARE ALL

BE IN AIRWORTHY

INSPECTION & MAINTENANCE RECORD

DATE

PRAIRIE AIR INC.

ENGINE LOG

DATE	MAKE/MODEL	TACH	TT	REGISTRATION	S/N
1/24/2020	LYC IO-540	1808.8	1808.8	N107EH	L-29425-48A

COMPLETED ENGINE INSPECTION THIS DATE AND TIME. ALL INSPECTIONS AND WORK WAS PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED AUG 2019 AND LYCOMING DIRECT DRIVE O/H MANUAL AND APPLICABLE SERVICE INSTRUCTIONS THRU 1/2020. C/W AD 2015-19-04 (ED 11/03/2015) FUEL INJECTOR LINE INSPECTION I/A/W par (c)(ii). NO DEFECTS NOTED, NEXT DUE AT A/C TT 1918.8 OR 1/2021. NOTE CURRENT AD LISTING WITH SAME DATE AND TIME IN AIRCRAFT PERMANENT RECORDS. PERFORMED DIFFERENTIAL COMPRESSION CHECK I/A/W LYC SI 1191A LOWEST ALLOWABLE PRESSURE IS 60PSI. ALL COMPRESSION RESULTS OVER 80 PSI #1 78 #2 78 #3 77 #4 78 #5 78 #6 78. SET TIMING, I/A/W LYC SI 1437. CHANGED ENGINE OIL AND FILTER INSPECTED SCREEN SERVICED TO 9 QTS PHILLIPS 20W-50 OIL AND CHAMPION CH48108-1 FILTER C/W LYC SB480E OIL AND OIL SCREEN INSPECTION, NO DEFECTS NOTED. SET IDLE TO WITH-IN LIMITS. SET ALT BELT TENSION IAW LYC SI 1129B. C/W LYC SB388C VALVE GUIDE CLEARANCE 1) .018 2) .017 3) .019 4) .018 5) .022 6) .018. C/W LYC SB301B VALVE CLEARANCES ARE ALL WITH-IN LIMITS. TEST RAN AND PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

JOSEPH V. LARUE A/T

ENGINE LOG

DATE

3/27/2020

COMPLETED ENGINE INSPECTION THIS DATE AND TIME. ALL INSPECTIONS AND WORK WAS PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED AUG 2019 AND LYCOMING DIRECT DRIVE O/H MANUAL AND APPLICABLE SERVICE INSTRUCTIONS THRU 1/2020. C/W AD 2015-19-04 (ED 11/03/2015) FUEL INJECTOR LINE INSPECTION I/A/W par (c)(ii). NO DEFECTS NOTED, NEXT DUE AT A/C TT 1918.8 OR 1/2021. NOTE CURRENT AD LISTING WITH SAME DATE AND TIME IN AIRCRAFT PERMANENT RECORDS. PERFORMED DIFFERENTIAL COMPRESSION CHECK I/A/W LYC SI 1191A LOWEST ALLOWABLE PRESSURE IS 60PSI. ALL COMPRESSION RESULTS OVER 80 PSI #1 78 #2 78 #3 77 #4 78 #5 78 #6 78. SET TIMING, I/A/W LYC SI 1437. CHANGED ENGINE OIL AND FILTER INSPECTED SCREEN SERVICED TO 9 QTS PHILLIPS 20W-50 OIL AND CHAMPION CH48108-1 FILTER C/W LYC SB480E OIL AND OIL SCREEN INSPECTION, NO DEFECTS NOTED. SET IDLE TO WITH-IN LIMITS. SET ALT BELT TENSION IAW LYC SI 1129B. C/W LYC SB388C VALVE GUIDE CLEARANCE 1) .018 2) .017 3) .019 4) .018 5) .022 6) .018. C/W LYC SB301B VALVE CLEARANCES ARE ALL WITH-IN LIMITS. TEST RAN AND PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

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N
5-48A

MAINTENANCE MANUAL
IS THRU 3/2019. PERFORMED
IN RESULTS OVER 80 PSI #1
SI 1437. 1 EA 10-600646-201
PHILLIPS 20W-50 OIL AND
TENSION IAW LYC SI 1129B.
TING WITH SAME DATE AND

ED TO BE IN AIRWORTHY

S/N
125-48A

MAINTENANCE MANUAL
NS THRU 4/2019. C/W AD 2011-
70.2 OR 4/2020. NOTE
1. COMPRESSION CHECK I/A/W
177 #5 78 #6 78 SET TIMING,
AND CHAMPION CH48108-1
ALT BELT TENSION IAW LYC
D.

O BE IN AIRWORTHY

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
3-20-19	1,610.4	Drained oil change filter with CH 48108-1 Replaced oil with 9 quarts 20w50 Phillips 1/C checked for leaks good!

ENGINE LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
8/21/2019	LYC 10-540	1755.4	1755.4	N107EH	L-29425-48A

COMPLETED ENGINE INSPECTION THIS DATE AND TIME. ALL INSPECTIONS AND WORK WAS PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND LYCOMING DIRECT DRIVE OH MANUAL AND APPLICABLE SERVICE INSTRUCTIONS THRU 8/2019. C/W AD 2015-19-04 (ED 11/03/2015) FUEL INJECTOR LINE INSPECTION I/A/W par(e)(ii). NO DEFECTS NOTED. NEXT DUE AT A/C TT 1865.4 OR 8/2020. NOTE CURRENT AD LISTING WITH SAME DATE AND TIME IN AIRCRAFT PERMANENT RECORDS. PERFORMED DIFFERENTIAL COMPRESSION CHECK I/A/W LYC SI 1191A. LOWEST ALLOWABLE PRESSURE IS 60PSI. ALL COMPRESSION RESULTS OVER 80 PSI. #1 76 #2 78 #3 75 #4 78 #5 76 #6 75 SET TIMING. I/A/W LYC SI 1437. CHANGED ENGINE OIL AND FILTER INSPECTED SCREEN SERVICED TO 9 QTS PHILLIPS 20W-50 OIL AND CHAMPION CH48108-1 FILTER C/W LYC SB480E OIL AND OIL SCREEN INSPECTION. NO DEFECTS NOTED. SET IDLE TO WITH-IN LIMITS. SET ALT BELT TENSION IAW LYC SI 1129B. TEST RAN AND PERFORMED OPERATIONAL CHECK. NO DEFECTS NOTED.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

JOSEPH V. LARUE A/P

INSPECTION & MAINTENANCE RECORD

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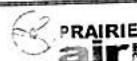


ENGINE LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
3/22/2019	LYC IO-540	1563.2	1563.2	N107EH	L-29425-48A

COMPLETED ENGINE INSPECTION THIS DATE AND TIME. ALL INSPECTIONS AND WORK WAS PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND LYCOMING DIRECT DRIVE O/H MANUAL AND APPLICABLE SERVICE INSTRUCTIONS THRU 3/2019. PREFORMED DIFFERENTIAL COMPRESSION CHECK I/A/W LYC SI 1191A LOWEST ALLOWABLE PRESSURE IS 60PSI. ALL COMPRESSION RESULTS OVER 80 PSI #1 76 #2 78 #3 76 #4 77 #5 78 #6 78. REPLACED ALL SPARKPLUGS. REPLACED BOTH MAGNITOS AND SET TIMING I/A/W LYC SI 1437. 1 EA 10-600646-201 S/N G-09401. 1 EA 10-600616-9 S/N G-07355. CHANGED ENGINE OIL AND FILTER INSPECTED SCREEN SERVICED TO 9 QTS PHILLIPS 20W-50 OIL AND CHAMPION CH48108-1 FILTER C/W LYC SB480E OIL AND OIL SCREEN INSPECTION, NO DEFECTS NOTED. SET ALT BELT TENSION IAW LYC SI 1129B. SET A/C BELT IAW SECTION 11.331. REPLACED STRIPPED OUT STUD ON #3 CYLINDER EXHAUST. NOTE CURRENT AD LISTING WITH SAME DATE AND TIME IN AIRCRAFT PERMANENT RECORDS. TEST RAN AND PREFORMED OPERATIONAL CHECK, NO DEFECTS NOTED

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNUAL/100HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME. X [REDACTED] JOSEPH V. LARUE A/P [REDACTED]



ENGINE LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
4/8/2019	LYC IO-540	1660.2	1660.2	N107EH	L-29425-48A

COMPLETED ENGINE INSPECTION THIS DATE AND TIME. ALL INSPECTIONS AND WORK WAS PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND LYCOMING DIRECT DRIVE O/H MANUAL AND APPLICABLE SERVICE INSTRUCTIONS THRU 4/2019. C/W AD 2011-26-04 (ED 01/25/2011) FUEL INJECTOR LINE INSPECTION I/A/W par (e)(ii). NO DEFECTS NOTED, NEXT DUE AT A/C TT 1770.2 OR 4/2020. NOTE CURRENT AD LISTING WITH SAME DATE AND TIME IN AIRCRAFT PERMANENT RECORDS. PREFORMED DIFFERENTIAL COMPRESSION CHECK I/A/W LYC SI 1191A LOWEST ALLOWABLE PRESSURE IS 60PSI. ALL COMPRESSION RESULTS OVER 80 PSI. #1 76 #2 78 #3 76 #4 77 #5 78 #6 78. SET TIMING I/A/W LYC SI 1437. CHANGED ENGINE OIL AND FILTER INSPECTED SCREEN SERVICED TO 9 QTS PHILLIPS 20W-50 OIL AND CHAMPION CH48108-1 FILTER C/W LYC SB480E OIL AND OIL SCREEN INSPECTION, NO DEFECTS NOTED. SET IDLE TO WITH-IN LIMITS. SET ALT BELT TENSION IAW LYC SI 1129B. SET A/C BELT IAW SECTION 11.331. TEST RAN AND PREFORMED OPERATIONAL CHECK, NO DEFECTS NOTED

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME. X [REDACTED] JOSEPH V. LARUE A/P [REDACTED]

DATE

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3-20-19 1,61

ENGINE LOG

DATE

8/21/201

COMPLETED E
VOLUME #1 DA
19-04 (ED 11 03
CURRENT AD L
LYC SI 1191A L
I/A/W LYC SI 14
FILTER C/W LY
SI 1129B. TEST I

I CERTIFY TH
CONDITION A3

X

INSPECTION & MAINTENANCE RECORD

DATE



ENGINE LOG

DATE	MAKE/MODEL	TACH	TT	REGISTRATION	S/N
12/26/2018	LYC IO-540	1405.6	1405.6	N107EH	L-29425-48A

COMPLETED ENGINE INSPECTION THIS DATE AND TIME. ALL INSPECTIONS AND WORK WAS PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND LYCOMING DIRECT DRIVE O/H MANUAL AND APPLICABLE SERVICE INSTRUCTIONS THRU 12/2018. PERFORMED DIFFERENTIAL COMPRESSION CHECK I/A/W LYC SI 1191A LOWEST ALLOWABLE PRESSURE IS 60PSI. ALL COMPRESSION RESULTS OVER 80 PSI. #1 78 #2 78 #3 77 #4 78 #5 78 #6 78. CLEANED, INSPECTED, GAPPED AND ROTATED ALL SPARKPLUGS. CHECKED MAGNETO TIMING I/A/W LYC SI 1437. CHANGED ENGINE OIL AND FILTER INSPECTED SCREEN SERVICED TO 9 QTS PHILLIPS 20W-50 OIL AND CHAMPION CH48108-1 FILTER C/W LYC SB480E OIL AND OIL SCREEN INSPECTION, NO DEFECTS NOTED. C/W TCM SB-643B MAGNETO PERIODIC INSPECTION AND 100HR INSPECTION. SET ALT BELT TENSION IAW LYC SI 1129B. SET A/C BELT IAW SECTION 11.331. NOTE CURRENT AD LISTING WITH SAME DATE AND TIME IN AIRCRAFT PERMANENT RECORDS. TEST RAN AND PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNUAL/100HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

X

JOSEPH V. LARUE A/P

ENGINE LOG

DATE	MAKE/MODEL	TACH	TT	REGISTRATION	S/N
2/27/2019	LYC IO-540	1465.8	1465.8	N107EH	L-29425-48A

COMPLETED ENGINE INSPECTION THIS DATE AND TIME. ALL INSPECTIONS AND WORK WAS PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND LYCOMING DIRECT DRIVE O/H MANUAL AND APPLICABLE SERVICE INSTRUCTIONS THRU 2/2019. PERFORMED DIFFERENTIAL COMPRESSION CHECK I/A/W LYC SI 1191A LOWEST ALLOWABLE PRESSURE IS 60PSI. ALL COMPRESSION RESULTS OVER 80 PSI. #1 77 #2 77 #3 77 #4 78 #5 77 #6 77. CLEANED, INSPECTED, GAPPED AND ROTATED ALL SPARKPLUGS. REPLACED 1 PLUG WITH CRACKED INSULATOR. CHECKED MAGNETO TIMING I/A/W LYC SI 1437. CHANGED ENGINE OIL AND FILTER INSPECTED SCREEN SERVICED TO 9 QTS PHILLIPS 20W-50 OIL AND CHAMPION CH48108-1 FILTER C/W LYC SB480E OIL AND OIL SCREEN INSPECTION, NO DEFECTS NOTED. C/W TCM SB-643B MAGNETO PERIODIC INSPECTION AND 100HR INSPECTION. SET ALT BELT TENSION IAW LYC SI 1129B. SET A/C BELT IAW SECTION 11.331. NOTE CURRENT AD LISTING WITH SAME DATE AND TIME IN AIRCRAFT PERMANENT RECORDS. TEST RAN AND PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNUAL/100HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

X

JOSEPH V. LARUE A/P

8A

MAINTENANCE MANUAL
HRU 7/2018. PERFORMED
RESULTS OVER 80 PSI. #1
ING I/A/W LYC SI 1437.
#8-1 FILTER C/W LYC
100HR INSPECTION. SET
AND TIME IN AIRCRAFT

TO BE IN AIRWORTHY

CH 48108-1
Phillips x/c

CH 48108-1
w/50 Phillips x/c



ENGINE LOG

DATE	MAKE/MODEL	TACH	TT	REGISTRATION	S/N
7/19/2018	LYC IO-540	1311	1311	N107EH	L-29425-48A

COMPLETED ENGINE INSPECTION THIS DATE AND TIME. ALL INSPECTIONS AND WORK WAS PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND LYCOMING DIRECT DRIVE O/H MANUAL AND APPLICABLE SERVICE INSTRUCTIONS THRU 7/2018. PERFORMED DIFFERENTIAL COMPRESSION CHECK I/A/W LYC SI 1191A LOWEST ALLOWABLE PRESSURE IS 60PSI. ALL COMPRESSION RESULTS OVER 80 PSI. #1 78 #2 78 #3 77 #4 78 #5 78 #6 78. CLEANED, INSPECTED, GAPPED AND ROTATED ALL SPARKPLUGS. CHECKED MAGNETO TIMING I/A/W LYC SI 1437. CHANGED ENGINE OIL AND FILTER INSPECTED SCREEN SERVICED TO 9 QTS PHILLIPS 20W-50 OIL AND CHAMPION CH48108-1 FILTER C/W LYC SB480E OIL AND OIL SCREEN INSPECTION, NO DEFECTS NOTED. C/W TCM SB-643B MAGNETO PERIODIC INSPECTION AND 100HR INSPECTION. SET ALT BELT TENSION I/A/W LYC SI 1129B. SET ALT BELT I/A/W SECTION 11.331. NOTE CURRENT AD LISTING WITH SAME DATE AND TIME IN AIRCRAFT PERMANENT RECORDS. TEST TAXI AND PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNUAL/100HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

JOSEPH V. LARUE A/C

9-5-18 1360.1

Drained oil changed filter with CH 48108-1
Replaced oil with 9 quarts 20W50 Phillips x/c
checked for leaks, good!

3-8-19 1,514.4

Drained oil changed filter with CH 48108-1
Replaced oil with 9 quarts 20W50 Phillips x/c
checked for leaks good!

DATE

ENGINE I

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12/

COMPLETE
VOLUME #
DIFFEREN
78 #2 78 #
CHANGE!
SB480E O
ALT BEL
PERMAN

I CERTIF
CONDIT

ENGINE L

D

2/2

COMPLETE
VOLUME #
DIFFEREN
77 #2 77 #3
CHECKED
AND CHAI
PERIODIC
LISTING V
NOTED

I CERTIF
CONDIT

INSPECTION & MAINTENANCE RECORD

DATE



ENGINE LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
4/3/2018	LYC IO-540	1121.8	1121.8	N107EH	L-29425-48A

COMPLETED ENGINE INSPECTION THIS DATE AND TIME. ALL INSPECTIONS AND WORK WAS PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND LYCOMING DIRECT DRIVE O/H MANUAL AND APPLICABLE SERVICE INSTRUCTIONS THRU 4/2018. PREFORMED DIFFERENTIAL COMPRESSION CHECK I/A/W LYC SI 1191A LOWEST ALLOWABLE PRESSURE IS 60PSI. ALL COMPRESSION RESULTS OVER 80 PSI. #1 79 #2 78 #3 79 #4 79 #5 78 #6 78. CLEANED, INSPECTED, GAPPED AND ROTATED ALL SPARKPLUGS. CHECKED MAGNETO TIMING I/A/W LYC SI 1437. CHANGED ENGINE OIL AND FILTER INSPECTED SCREEN SERVICED TO 9 QTS PHILLIPS 20W-50 OIL AND CHAMPION CH48108-1 FILTER C/W LYC SB480E OIL AND OIL SCREEN INSPECTION, NO DEFECTS NOTED. C/W TCM SB-643B MAGNETO PERIODIC INSPECTION AND 100HR INSPECTION. SET ALT BELT TENSION IAW LYC SI 1129B. SET A/C BELT IAW SECTION 11.331. NOTE CURRENT AD LISTING WITH SAME DATE AND TIME IN AIRCRAFT PERMANENT RECORDS. TEST RAN AND PREFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNUAL/100HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THE TIME OF INSPECTION.

JOSEPH V. LARUE AT



ENGINE LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
4/19/2018	LYC IO-540	1224.5	1224.5	N107EH	L-29425-48A

COMPLETED ENGINE INSPECTION THIS DATE AND TIME. ALL INSPECTIONS AND WORK WAS PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND LYCOMING DIRECT DRIVE O/H MANUAL AND APPLICABLE SERVICE INSTRUCTIONS THRU 4/2018. PREFORMED DIFFERENTIAL COMPRESSION CHECK I/A/W LYC SI 1191A LOWEST ALLOWABLE PRESSURE IS 60PSI. ALL COMPRESSION RESULTS OVER 80 PSI. #1 79 #2 78 #3 79 #4 79 #5 78 #6 78. CLEANED, INSPECTED, GAPPED AND ROTATED ALL SPARKPLUGS. CHECKED MAGNETO TIMING I/A/W LYC SI 1437. CHANGED ENGINE OIL AND FILTER INSPECTED SCREEN SERVICED TO 9 QTS PHILLIPS 20W-50 OIL AND CHAMPION CH48108-1 FILTER C/W LYC SB480E OIL AND OIL SCREEN INSPECTION, NO DEFECTS NOTED. C/W TCM SB-643B MAGNETO PERIODIC INSPECTION AND 100HR INSPECTION. SET ALT BELT TENSION IAW LYC SI 1129B. SET A/C BELT IAW SECTION 11.331. C/W EXHAUST VALVE 300 HR INSP SB358C. TOOK OUT VALVE SPRINGS AND ROCKERS. SPECS: #5 .018; #3 .022; #1 .027; #6 .019; #4 .019; #2 .019 VALVE GUIDE INSPECTED. P/N 66732 QTY 6; MS3333-40 QTY 12. NOTE CURRENT AD LISTING WITH SAME DATE AND TIME IN AIRCRAFT PERMANENT RECORDS. TEST RAN AND PREFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W AN ANNUAL/100HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THE TIME OF INSPECTION.

JOSEPH V. LARUE AT

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10 good!

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MAINTENANCE MANUAL
IRU 3/2018. PREFORMED
RESULTS OVER 80 PSI. #1
ING I/A/W LYC SI 1437.
8-1 FILTER. C/W LYC
100HR INSPECTION. SET
AND TIME IN AIRCRAFT

N AIRWORTHY

48108-1 Rechecked
checked for leaks good

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	DATE
11-2-17	1031.0	Drained oil changed filter with CH48108-1 Replaced oil with 9 Quarts 20w 50 Phillips X/C checked for leaks good!	
		[REDACTED]	



ENGINE LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
3/19/2018	LYC10-540	1021.8	1021.8	N107EH	L-29425-48A

3/19/2018	LYC IO-540	1021.8	1021.8	1021.8	1021.8
COMPLETED ENGINE INSPECTION THIS DATE AND TIME. ALL INSPECTIONS AND WORK WAS PERFORMED I/AW R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND LYCOMING DIRECT DRIVE O/HMANUAL AND APPLICABLE SERVICE INSTRUCTIONS THRU 3/2016. REFORMED DIFFERENTIAL COMPRESSION CHECK I/AW LYC SI 1191A LOWEST ALLOWABLE PRESSURE IS 60PSI. ALL COMPRESSION RESULTS OVER 80 PSI. #1 78.2 #2 71 #3 77 #4 77 #5 77 #6 76. CLEANED, INSPECTED, GAPPED AND ROTATED ALL SPARKPLUGS. CHECKED MAGNETO TIMING I/AW LC SI #437. CHANGED ENGINE OIL AND FILTER INSPECTED SCREEN SERVICED TO 9 QTS PHILLIPS 20W-50 OIL AND CHAMPION CH48108-1 FILTER. C/W LYC SB480E OIL AND OIL SCREEN INSPECTION, NO DEFECTS NOTED. C/W TCM SB-643B MAGNETO PERIODIC INSPECTION AND 100HR INSPECTION. SET ALT BELT TENSION I/AW LYC SI 1129B. SET AC BELT IAW SECTION 11.331. NOTE CURRENT AD LISTING WITH SAME DATE AND TIME IN AIRCRAFT PERMANENT RECORDS. TEST RAN AND PREFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.					

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED 1/11/11 AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THE TIME OF INSPECTION. JOSEPH V. LARUE A/P

JOSEPH V. LARUE AM

CONDITION	DATE	REMARKS
4-THS	1/17/10	Drained oil changed filter with CH48108-1 Replaced oil with 9 Quarts 70W50 Phillips X/C checked for leaks good

COMPLIANCE RECORD

AUTHORIZED SIGNATURE
CERTIFICATE NO.

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIMEINSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

2/8/17

970.0

This R44 had annual inspection
Performed. IAW R44 maintenance
Manual and Lycoming Engine Maintenance
Manual. No defects noted. All
AD's Complied with to this date
2/8/17 list given to owner.
This engine is in an air-worthy condition.

[REDACTED]

5/10/17

985.2

Drained oil changed filter with 4CH48808-1
Replaced oil with 9 Quarts 20W50 Phillips
X/C checked for leaks, good

[REDACTED]

NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by **LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Airworthiness Directives and Lycoming Service Bulletins have been complied with at time of Manufacture.

MODEL IO-540-AE1A5

SERIAL NO. L-29425-48A

DATE 3-31-04

(AUTHORIZED REPRESENTATIVE)

LYCOMING
A Textron Company

LYCOMING ENGINES
652 Oliver Street
Williamsport, PA 17701 U.S.A.

Form No. 777-B (Rev. 3/03)

MANUFACTURER LI

SERIAL NUMBER L-

RATED BHP _____

FUEL REQUIRED OCTANE _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____