

The Standard
 ENGINE LOG

ASA-SE-2

The subject aircraft was involved in an incident /
accident on 3/20/2025 rendering it a Constructive
Total Loss as not repairable within its insured value.
For further details refer to insurance claim:

1164315412US.

Signed: ***Underwriters Salvage Company***

Date: **4/22/2025**

AIG Aerospace Adjustment Services Inc
3500 Lenox Road, Suite 1100
Atlanta, GA 30326



YEAR _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
-----------------------	---------------------------	-------------------	-----------------------------	---

ENGINE

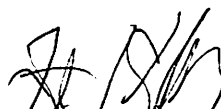
MAKE: Maule MODEL: M7-235C N4044L S/N 25079C A/C TIME: 828.0 TAC Time: 828.0

DATE: 12-13-24

MAKE: Lycoming MODEL: IO-540-W1A5 SN: L-28076-48A TIME: 828.0 SMOH:

1. Performed compression test results as follows 1: 77/80 2: 78/80 3: 78/80 4: 78/80 5: 75/80 6: 76/80.
2. Removed filter and drained oil. Cut an examined filter. Replaced filter w/AA48110-2 filter and 8 qts of AeroShell W15-50 oil.
3. Cleaned tested and rotated spark plugs.
4. Bore scoped the inside of mufflers Removed exhaust shrouds and checked mufflers.
5. Replaced RH exhaust inner baffle tube p/f Maule P/N 5062B.
6. Replaced inner crankshaft plug w/Lycoming pn 61510.

I certify this engine has been given an inspection IAW Maule M7 AAM 100 hr inspection check list and has been determined to be in airworthy condition.


Steven Holliday
A&P 3478638IA

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
--------------	---------------------------	-------------------	-----------------------------	--

ENGINE MODEL: IO-540-W1A5
ENGINE S/N: L-28076-48A
REG. NO: N4244L
WORKORDER: 22193



Lancaster Aero, LLC.
311 Airport Drive
Box 7
Smoketown, PA 17576
Phone: 717-394-5805

DATE: 9/1/2022
A/C TSN: 731.8
ENG TT: 731.8
TSMOH:
FLIGHTTIME: 731.8

Engine Entries

- Performed annual inspection in accordance with FAR43, appendix D.
- Complied with AD 15-19-07 "Fuel Injector Fuel Lines and Clamps" IAW Lycoming SB 342G, no defects noted at this time. Next due at Tach 841.8 or if lines are disturbed
- Compression test: #1 75/80 #2 78/80 #3 76/80 #4 76/80 #5 76/80 #6 78/80
- Drained oil and replaced oil filter with new. Cut open and inspected old filter; no abnormalities found at this time. Cleaned oil sump screen. Serviced engine with 7 quarts of Aeroshell 15W-50 oil.
- Installed new induction air filter element.
- Checked magneto timing, serviced spark plugs, cleaned fuel servo inlet screen, washed engine, and lubed controls.
- Completed ground run, no discrepancies noted

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in Airworthy condition.

DATE: 9/1/2022

SIGNED:

Troy Santangelo, IA 2773146

Work Order: 22193

Printed by EBis 3 (datcomedia.com)

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
--------------	---------------------------	-------------------	-----------------------------	--

ENGINE

MAKE: Maule MODEL: M7-235C N4044L S/N 25079C A/C TIME: 774.5 TAC Time: 774.5

DATE: 11 17 23

MAKE: Lycoming MODEL: IO-540-W1A5 SN: L-28076-48A TIME: 774.5 SMOH:

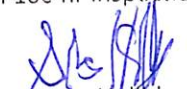
1. Performed compression test results as follows 1: 78/80 2: 78/80 3: 74/80 4: 76/80 5: 76/80 6: 79/80.

2. Removed filter and drained oil. Cut an examined filter. Replaced filter w/AA48110-2 filter and 8 qts of AeroShell W15-50 oil.

3. Cleaned tested and and rotated spark plugs.

4. Bore scoped the inside of mufflers Removed exhaust shrouds and checked mufflers.

I certify this engine has been given an inspection IAW Maule M7 AAM 100 hr inspection check list and has been determined to be in airworthy condition.


Steven Holliday
A&P 3478638IA

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
--------------	---------------------------	-------------------	-----------------------------	--

ENGINE MODEL:
IO-540-W1A5
ENGINE S/N: L-28076-48A
REG. NO: 4244L
WORKORDER: 20172



Lancaster Aero, LLC.
311 Airport Drive
Box 7
Smoketown, PA 17576
Phone: 717-394-5805

DATE: 9/22/2020
A/C TSN: 643
ENG TT: 643
TSMOH:
FLIGHTTIME: 643

Engine Entries

- Drained oil removed filter and cut open, no contaminants found. Installed new 48110-2 oil filter and serviced with 7 qts AS15-50.
- Ground run complete no leaks noted.

DATE: 9/22/2020

SIGNED:

Paul Hadfield, A&P 3116427

Work Order: 20172

Printed by EBis 3 (datcomedia.com)

6-11-2021 684.3 oil changed Aeroshell 15-50 Tempest AA48110-2

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
--------------	---------------------------	-------------------	-----------------------------	--

ENGINE MODEL:
IO-540-W1A5
ENGINE S/N: L-28076-48A
REG. NO: 4244L
WORKORDER: 21161



Lancaster Aero, LLC.
311 Airport Drive
Box 7
Smoketown, PA 17576
Phone: 717-394-5805

DATE: 8/12/2021
A/C TSN: 685.5
ENG TT: 685.5
TSMOH:
FLIGHTTIME: 685.5

Engine Entries

- Complied with engine 100 hour inspection Items IAW FAR 43 apendix D. Serviced spark plugs, checked magneto timing.
- Compression test: #1 74/80 #2 76/80 #3 72/80 #4 73/80 #5 72/80 #6 72/80
- Changed oil and filter. Cut old filter open and inspected for contamination. No discrepancies noted.
- Serviced with Aeroshell 15w-50.
- Complied with Post inspection Ground power run and found all engine indications and parameters to be satisfactory.
- Complied with A.D. 15-19-07 injector line inspection, no discrepancies noted. Next due at tach time 785.5

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in Airworthy condition.

DATE: 8/12/2021

SIGNED:

Kendall Horst, IA 3292382

Work Order: 21161

Printed by EBis 3 (datcomedia.com)

YEAR

DATE

ENGINE MODEL:
IO-540-W1A5
ENGINE S/N: L-28076-48A
REG. NO: 4244L
WORK ORDER: 19135



Lancaster Aero, LLC.
311 Airport Drive
Box 7
Smoketown, PA 17576
Phone: 717-394-5805

DATE: 7/11/2019
A/C TSN: 589
ENG TT: 589
TSMOH:
FLIGHTTIME: 589

ations
ber of
entries.)

YEAR

DATE

ENGINE MODEL:
IO-540-W1A5
ENGINE S/N: L-28076-48A
REG. NO: 4244L
WORK ORDER: 20137



Lancaster Aero, LLC.
311 Airport Drive
Box 7
Smoketown, PA 17576
Phone: 717-394-5805

DATE: 8/10/2020
A/C TSN: 634.3
ENG TT: 634.3
TSMOH:
FLIGHTTIME: 634.3

Engine Entries

- Complied with engine 100 hour inspection IAW FAR43 Appendix D. Checked magneto timing, serviced spark plugs, cleaned gascolator screen, and lubed engine controls.
- Compression test: #1 78/80 #2 77/80 #3 78/80 #4 77/80 #5 78/80 #6 78/80
- Changed oil and filter. Cut old filter open and inspected for contamination. Noted in bottom of filter can very minor bronze colored material. Sent oil sample for analysis. Resample 10 hours at tach time 644.3 Serviced with Aeroshell 15W-50.
- C/W oil analysis sample
- Complied with A.D. 15-19-07 injector line inspection, no discrepancies noted. Next due at tach time

I certify that this Engine has been inspected in accordance with a 100 Hour Inspection and has been determined to be in Airworthy condition. + Annual

DATE: 8/10/2020

SIGNED:

Kendall Horst, IA 3292382

Work Order: 20137

Printed by EBis 3 (datcomedia.com)

Engine Entries

- Complied with engine 100 hour inspection Items. Changed air filter element, cleaned and gapped spark plugs and checked magneto timing.
- Compression test: #1 78/80 #2 78/80 #3 78/80 #4 78/80 #5 78/80 #6 78/80
- Changed oil and filter. Cut old filter open and inspected for contamination. No discrepancies noted. Serviced with Aeroshell 15W-50.
- Found internal timing of left mag off. Adjusted timing per Slick maintenance manual. Installed mag using new gaskets. Adjusted mag-engine timing to 23° BTDC. Ops and leak check satisfactory
- Completed ground run, no discrepancies noted.

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in Airworthy condition.

DATE: 7/11/2019

SIGNED:

Dallas Glick, IA 3571893

Work Order: 19135

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-540-W1A5
ENGINE S/N: L-28076-48A
REG. NO: 4244L
WORK ORDER: 19135



Lancaster Aero, LLC.
311 Airport Drive
Box 7
Smoketown, PA 17576
Phone: 717-394-5805

DATE: 7/11/2019
A/C TSN: 589
ENG TT: 589
TSMOH:
FLIGHTTIME: 589

Engine Entries

- Complied with A.D. 15-19-07 injector line inspection, no discrepancies noted. Next due at tach time 689.

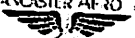
DATE: 7/11/2019

SIGNED:

Dallas Glick, IA 3571893

Work Order: 19135

ENGINE MODEL: IO-540-W1A5
ENGINE S/N: L-28076-48A
REG. NO: 4244L
WORK ORDER: 17171

LANCASTER AERO

Lancaster Aero, LLC.
311 Airport Drive
Box 7
Smoketown, PA 17576
Phone: 717-394-5805

DATE: 9/21/2017
A/C TSN: 528.9
ENG TT: 528.9
TSMOH:
FLIGHTTIME: 528.9

Engine Entries

- CW AD 17-16-11, inspection of connecting rod bushings. Removed cylinders and inspected IAW SB 632B. No discrepancies noted. Reinstalled cylinders using new seals and gaskets.
- Completed ground run, no discrepancies noted.

DATE: 9/21/2017
SIGNED: 
Dallas Glick, A&P 3571893

Work Order: 17171
Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-540-W1A5
ENGINE S/N: L-28076-48A
REG. NO: 4244L
WORKORDER: 18096

 **Lancaster Aero, LLC.**
311 Airport Drive
Box 7
Smoketown, PA 17576
Phone: 717-394-5805

DATE: 7/2/2018
A/C TSN: 539.2
ENG TT: 539.2
TSMOH:
FLIGHTTIME: 539.2

Engine Entries

- Complied with engine 100 hour inspection items. Changed air filter element, cleaned and gapped spark plugs and checked magneto timing.
- Compression test: #1 78/80 #2 79/80 #3 79/80 #4 79/80 #5 78/80 #6 78/80
- Changed oil and filter. Cut old filter open and inspected for contamination. No discrepancies noted. Serviced with Aeroshell 15W-50.
- Complied with A.D. 15-19-07 injector line inspection, no discrepancies noted. Next due at tach time 639.2
- Completed ground run. no discrepancies noted

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in Airworthy condition.

DATE: 7/2/2018 SIGNED:  Work Order: 18096

Dallas Glick, IA 3571893 Printed by EBis 3 (datcomedia.com)

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
--------------	---------------------------	-------------------	-----------------------------	--

MAKE Maule
MODEL M-7-235C
S/N
REG NO 4244L
WORK ORDER 16095



Lancaster Aero, LLC.

311 Airport Drive
Box 7
Smoketown, PA 17576
Phone 717-394-5805

DATE 7/5/2016
A/C TSN 479 7
FLIGHTTIME 479 7

Airframe Entries

Removed co-pilot door latch and adjusted as needed Reassembled latch Ops check satisfactory
Serviced brake reservoir and bled brakes Ops and leak check satisfactory

DATE: 7/5/2016

SIGNED:

Dallas Glick, A&P 3571893

Work Order: 16095

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL
ENGINE S/N L-28076-48A
REG NO 4244L
WORK ORDER 16095



Lancaster Aero, LLC.

311 Airport Drive
Box 7
Smoketown, PA 17576
Phone 717-394-5805

DATE 7/5/2016
A/C TSN 479 7
ENG TT 479 7
TSMOH
FLIGHTTIME 479 7

Engine Entries

Changed Oil and Filter Cut old filter open and inspected for contamination No discrepancies noted Serviced with Philips Type M 20w-50
Completed ground run, no discrepancies noted

DATE: 7/5/2016

SIGNED:

Dallas Glick, A&P 3571893

Work Order: 16095

Printed by EBis 3 (datcomedia.com)

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
--------------	---------------------------	-------------------	-----------------------------	--

ENGINE MODEL:
IO-540-W1A5
ENGINE S/N: L-28076-48A
REG. NO: 4244L
WORK ORDER: 17101



Lancaster Aero, LLC.

311 Airport Drive
Box 7
Smoketown, PA 17576
Phone: 717-394-5805

DATE: 6/15/2017
A/C TSN: 514.5
ENG TT: 514.5
TSMOH:
FLIGHTTIME: 514.5

Engine Entries

- Changed air filter element, cleaned and gapped spark plugs and checked magneto timing.
- Compression test: #1 78/80 #2 78/80 #3 78/80 #4 78/80 #5 78/80 #6 78/80
- Changed Oil and Filter. Cut old filter open and inspected for contamination. No discrepancies noted. Serviced with Aeroshell 15W-50.
- Complied with A.D. 15-19-07 injector line inspection, no discrepancies noted. Next due at tach time 624.5
- Adjusted both mag-engine timing to 23° BTC.
- Completed ground run, no discrepancies noted.

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in Airworthy condition.

DATE: 6/15/2017

SIGNED:

Dallas Glick, IA 3571893

Work Order: 17101

Printed by EBis 3 (datcomedia.com)

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
11/3/2015	468.1			Removed engine at this time for inspection
TTSN = 468.1				Will Horst A&P 3292382

Eng M/N: IO-540-W1A5

TTSN: N/A

Eng S/N: L-28076-48A

Tach: 468.1

Eng. TT: 468.1

Date: 2/3/2016

This engine has been disassembled, cleaned, inspected, and repaired as required to inspect for propeller strike damage. No damage was found from the strike. Installed new main and rod bearings, new rod nuts and bolts, new camshaft and lifters, new counterweight bushings, pins, plates, and snap rings. Installed new magneto P/N: 6350, S/N: 15101040 and P/N: 6351, S/N: 15050257. Cylinders were replaced with overhauled STD nickel barrel cylinders. Engine was reassembled in accordance with data approved by or acceptable to the FAA using parts as listed below. Test cell run was satisfactory for return to service. Applicable AD's have been complied with, see separate AD sheet supplied.

Nothing Follows

Penn Yan Aero
2499 Bath Road
Penn Yan, New York 14527
WO# 42785-15



FAA Approved Repair Station #Y2GR396Y

Will Horst
Authorized Signature

YEAR
DATE

ENGINE MODEL:
ENGINE S/N:
L-28076-48A
REG. NO: 4244L
WORK ORDER:
15095



Lancaster Aero, LLC.
311 Airport Drive
Box 7
Smoketown, PA 17576
Phone: 717-394-5805

DATE: 6/2/2016
A/C TSN: 468.1
ENG TT: 468.1
TSMOH:
FLIGHTTIME: 468.1

itions
er of
itries.)

Engine Entries

- Reinstalled engine after inspection by Penn-Yann Aero. Serviced engine to capacity with Phillips 20-50 type M oil. Ground run and leak check satisfactory.
- Completed 100 hr inspection items.

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in Airworthy condition.

DATE: 6/2/2016

SIGNED:

Kendall Horst, IA 3292382

Work Order: 15095

Printed by EBis 3 (datcomedia.com)

PROP MODEL
B2D37C224-B
PROP S/N 150643
REG NO 4244L
WORK ORDER 15095



Lancaster Aero, LLC.
311 Airport Drive
Box 7
Smoketown, PA 17576
Phone 717-394-5805

DATE 6/16/2016
A/C TSN 468.1
PROP TT 0
TSPOH 0
FLIGHTTIME 468.1

Log Entries

Removed and replaced faulty prop governor with overhauled unit Installed S/N793032 Unit overhauled by New England Propeller Service, Inc

DATE: 6/16/2016

SIGNED:

Kendall Horst, A&P 3292382

Work Order: 15095

Printed by EBis 3 (datcomedia.com)

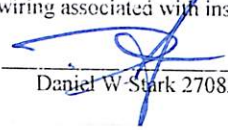
YEAR 2014 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-28-14	414.6		414.6	
Repair Engine	66.3			I certify that this <u>Engine</u> has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition.
				<u>D-E</u> A-P 3310811A.

N4244L
Tach: 473.9
Drained oil and removed filter for inspection, no defects noted. Serviced with 7 qts Aeroshell 15W50 oil and new CH48110-1 filter.
Performed operational and leak check, no leaks noted. Work performed in accordance with Maule M-7-235C Maintenance Manual, Rev. B,
dated 9/20/2000.
Pertinent details of work performed are on file at this location.

Professional Air 63132 Powell Butte Hwy. Bend, Oregon 97701 (541) 388-0019
Engine Model: IO-540-W1A5
TTSN: 473.9
S/N: L-28076-48A
W/O: 15-45677
Date: 1/29/2015

For FAA CRS# H6MR663L

YEAR 2015 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-12-2015	444.2		444.2	Performed Annual inspection this date
Performed check sheet	95.9			Performed Annual insp 11/11/14 FAR 43 Appendix D Drained oil, inspected & changed oil filter Serviced with 8 qts Aeroshell 15W-50 oil Cleaned & tested spark plugs Compressions #1 74/80 #2 74/80 #3 74/80 #4 75/80 #5 74/80 #6 75/80, checked timing, cleaned fuel pump Screen, Replaced induction air filter BAC108. Inspected exhaust & induction system C/W 2011-20-04 Fuel injection lines, visually insp 11/11/14 Lya SB 342B ALL OK AT THIS TIME NEXT DUE MAINT PERFORMED BY JARED SCHIFFERDEIN HORN 544.2 A.Q's current to 2015-13. <u>D-E</u> A-P 3310811A I certify that this <u>Engine</u> has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition. <u>D-E</u> A-P 3310811A.

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Twin Oaks Aircraft Maintenance, LLC Daniel W Stark 12405 SW River Road Hillsboro, OR. 97123 maintenance@twinoaksairpark.com Tach: 381.8 6/6/2013 Maule M-7-235C Lycoming N4244L S/N: 25079C S/N: Performed actual weight and balance this date. Minor fabric repair to RH top stabilizer. Replace tailwheel tire tube with new. Remove fuel flow transducer P/N: ST901, replace with new. Replace 2 new fuel hoses P/N: AE1014036G0116 & 0153. Replace AN816-6 fittings in transducer. Remove storm scope antenna and remaining wiring associated with installation. Ops check and return to service with respect to the work performed.  Daniel W Stark 2708377 A&P

N4244L
Tach: 407.9

Professional Air 63132 Powell Butte Hwy. Bend, Oregon 97701 (541) 388-0019
Engine Model: IO-540-W1A5
TTSN: 407.9
S/N: L-28076-48A
W/O: 13-44926
Date: 12/20/2013

Drained oil and removed filter for inspection, no defects noted. Serviced with 7 qts Aeroshell 15W50 oil and new CH481110-1 filter. Performed operational and leak checks, no defects noted. Work performed in accordance with Lycoming IO-540 Operators manual, Rev. 60297-10-3, dated 3/2009, Section 4. Pertinent details of work performed are on file at this location.


For FAA CRS# H6MR663L

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-28-14	414.4		414.4	Performed Annual insp this Date
Refuel				Drained oil inspected & changed filter
Cross	661.3			Serviced with 8 qts Aeroshell 15W50 oil
				Cleaned, gapped & tested spark plugs,
				Compressor #1 75/80 #2 74/80 #3 77/80 #4 75/80
				#5 77/80 #6 74/80, Cleaned servo screw,
				Cleaned mag timing, cleaned & lubed cowls
				Repaired induction Air Filter BAG108,
				Secured IGN & electrical wires in eng compartment
				C/W A.I.D. 2011-26-04 Fuel injection lines
				Visualy insp 11A/W L4B SB 3426 Acc oil ATTS
				Time next due 514.6, A.I.D. 2012-03-06
				As soon as you drop N/A for insp A.I.D. 2012-19-01
				Compressor P/C/W 10-5-2011 TT346.3
				A.I.D.'s Comm to 2014-12
				 AIP 3740181

MANUFACTURER: Lycoming ENGINE MODEL: IO-540-W1A5 S/N: L-28076-48A WO# 4175

AD#	DESCRIPTION	COMPLIANCE STATUS
05-19-11	crankshaft	C/W by installation of new crankshaft I/A/W SB 569A
06-12-07	ECI cylinders	N/A by cylinder manufacturer
06-20-09	crankshaft	C/W by crankshaft replacement
07-04-19 R1	Superior cylinders	N/A by cylinder manufacturer
08-14-07	fuel lines	C/W by inspection I/A/W SB 342E
09-02-03	Precision fuel servo	C/W by insp. and replacement of gasket w/ P/N 2577258, N/F/A
09-26-12	ECI cylinders	N/A by cylinder manufacturer
11-15-10	AFS servo diaphragm	N/A by manufacture date

Poplar Grove Airmotive, Inc.

FAA Certified Repair Station YYBR664L

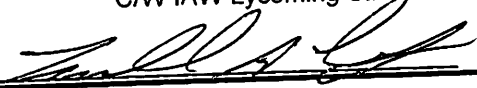
Date: 10/5/2011

YEAR 2012 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
----------------------	---------------------------	-------------------	-----------------------------	---

8/14/12	366.6			DRAINED OIL & REPLACED FILTER. SERVICED WITH 89TS Aeroshell 15W-50. TIGHTENED ROCKER COVER SCREWS & 2 EX. NUTS. CHECKED ENGINE AT OWNER'S REQUEST. David Gumbel A&P 3487601
---------	-------	--	--	---

4/9/13	378.8			OWNER FLY A/C TO warm up & OPS ✓ MAGS, Prep, OIL PRESS, FUEL PRESS, ALTERNATOR & VACUUM. CHECKED CYLINDER OIL PRESS # 1-77, # 3-78, # 5-78, # 2-78, # 4-79, # 6-78/80. DRAINED OIL & REMOVED FILTER. SERVICED w/ 89TS Aeroshell 15W-50. RE-ROUTED FUEL LINE AWAY FROM OIL FILTER. INSTALLED Champion 48-110-1 FILTER. REMOVED FRONT R/H OIL GAUGE plug TO INSTALL JPI OIL TEMP PROBE P/N 460505. INSTALLED probe using TETRA TAP & PERMATEX 2A. ROUTED LEAD WIRE ALONG ALTERNATOR WIRES & SECURED. SENT W OIL SAMPLE FOR TESTING TO ALS Tribology. COMPLETED 100hr Inspection THIS DATE. David Gumbel A&P 3487601
--------	-------	--	--	---

YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations				
				Entries must be endorsed with Name, Rating and Certificate Number of check pages for other specific entries.)				
				Poplar Grove Airmotive, Inc. Shop Orders -- Inventory Summary For Shop Order 4175 Only				
10/08/2011 7:49AM								
Shop Order #	Close Date	Dsc #	Part Number	Description	Action Date Wmty?	Quantity	Units	
4175	11	2,000	15B26064	Lifter (72877)	8/10/2011	8.00	Each	
4175	11	2,000	STD1211	PLUGS	8/10/2011	1.00	Each	
4175	11	2,000	AN565B1032H5	Screw Set	8/10/2011	1.00	Each	
4175	11	2,000	LW19227	Counterweight	8/10/2011	1.00	Each	
4175	11	2,000	SL72797	Roller	8/10/2011	2.00	Each	
4175	11	2,000	AEL72965	Roller	8/10/2011	2.00	Each	
4175	11	2,000	AA48110	Oil Filter, Tempest	8/10/2011	1.00	Each	
4175	11	2,000	SL13790A	Shaft	8/10/2011	6.00	Each	
4175	11	2,000	SL12882	Thrust Button	8/10/2011	12.00	Each	
4175	11	2,000	STD1821	Hose	8/10/2011	6.00	Each	
4175	11	2,000	SL69603	Hose	8/10/2011	6.00	Each	
4175	11	2,000	M674(MS17840-1)	Gasket	8/10/2011	12.00	Each	
4175	11	2,000	67542	Bearing	8/10/2011	2.00	Each	
4175	11	2,000	SL-STD1925	Bolt	8/10/2011	5.00	Each	
4175	11	2,000	SL13445	Pin	8/10/2011	6.00	Each	
4175	11	4,000	SL74230AP05	Guide	8/10/2011	6.00	Each	
4175	11	3,000	2577258	Gasket	8/17/2011	1.00	Each	
4175	11	2,000	LW14820	Ring	8/25/2011	-8.00	Each	
4175	11	2,000	LW18638	Clip	10/03/2011	1.00	Each	
4175	11	2,000	1102	Plug	10/03/2011	3.00	Each	
4175	11	2,000	SL61183	Gasket	10/03/2011	1.00	Each	
4175	11	2,000	73136	Bracket	10/04/2011	2.00	Each	
4175	11	2,000	STD860	Screw	10/04/2011	14.00	Each	
4175	11	2,000	6506	Hose Clamp	10/04/2011	2.00	Each	
4175	11	2,000	68122624	Mag Bushing	10/04/2011	4.00	Each	
4175	11	2,000	05K23598	Crankshaft Kit	10/04/2011	1.00	Each	
4175	11	2,000	15B26064	Lifter (72877)	8/12/2011	4.00	Each	

MANUFACTURER: Lycoming		ENGINE MODEL: IO-540-W1A5	S/N: L-28076-48A	WO # 4175
AD #	DESCRIPTION	COMPLIANCE STATUS		
#63-14-03	oil pump drive shaft	N/A by engine S/N		
66-20-04	oil filter adapter gasket	N/A by gasket P/N		
75-08-09 R3	oil pump	N/A has drive shaft with flats		
75-09-15	fuel flow dividers with P/N "-1"	N/A by P/N		
78-23-10	fuel servo	N/A by P/N		
79-04-05	fuel servo	N/A by P/N		
87-10-06R1	rocker arm	N/A by rocker arm P/N		
92-12-05	piston pin P/N LW-14077	N/A by pin P/N		
96-09-10 C	oil pump	P/C/W I/A/W SB 524		
96-23-03	fuel pump	N/A by pump P/N		
97-15-11	piston pin	N/A by pin P/N		
98-17-11	crankshaft	N/A by new crankshaft installed		
#02-19-03	crankshaft	N/A by engine and crank S/N		
03-14-03	geared fuel pump	N/A by diaphragm pump		
#04-05-24C	crank gear bolt	N/A by new bolt P/N		
#04-10-14C	crankshaft gear	C/W IAW Lycoming SB 475C		
Poplar Grove Airmotive, Inc.				
FAA Certified Repair Station YYBR664L				
		Date: 10/5/2011		

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Gateway Air Service, Inc. Mt. Pleasant, MI Date: 3-1-2011 Tach: 348.3 TSO: 348.3 Annual inspection per FAR part 43. Comp: 1-78, 2-78, 3-77, 4-77, 5-77, 6-78. Serviced the oil. 15/50 Installed a new air filter. Insp: engine controls, exhaust/mufflers, fuel sump and mount attachments. Reviewed the A.D. compliances. Complied with 08-14-07. Washed the engine. Insp the sparkplugs. Insp the prop and spinner assembly. Run-up checked O.K. <i>I certify that this engine has been inspected in accordance with an Annual inspection and has been determined to be in airworthy condition.</i> Todd Tarlton 388840559IA 
				Gateway Air Service, Inc. Mt. Pleasant, MI 989-775-3515 Date: 7-20-2011 Tach: 348.3 TSO: 348.3 Removed the engine. IO-540-W1A5, s/n: L-28076-48A, from the aircraft, N4244L, and sent for repair per A.D. 2006-20-09.  Todd Tarlton 388840559IA

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT

Gateway Air Service, Inc. Mt. Pleasant, MI

989-775-3515

Date: 4-17-2012 Tach: 348.6 TSO: 348.6

Annual inspection per FAR part 43. Installed the engine after compliance with A.D. 2006-20-09. Installed with new attachment hardware. Insp: engine controls, exhaust/mufflers, fuel sump and mount. Updated A.D. compliance listings. Run-up checked O.K.

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in airworthy condition.

Todd Tarlton 388840559IA 

id Alterations
ate Number of
specific entries.)

MAKE	MODEL	S/N	Hours
Lycoming	IO-540-W1A5	L-28076-48A	
Total Time	Time Since Overhaul	N/A	Hours
348.3			

The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. (As detailed below) Pertinent details of repair are on file at this repair station under:

Work Order # 4175 **Date** 10/5/2011

Installed new crankshaft kit (S/N: V537959441) I/A/W SB 569A, and A.D. 2006-20-09. Repaired cylinders as required, see maintenance release tag for details. Reinstalled existing magneto's and fuel pump. C/W PRS-107, Rev 4 by inspection and gasket replacement. Installed new lifters P/N 15B26064. This engine was run in a test cell and meets specifications. See A.D. Complianace Record and Parts List for more details. -----END-----

Poplar Grove Airmotive, Inc.
Poplar Grove Airport, Poplar Grove, IL
FAA Appr. _____

Michael A. Carey 
Signed for Poplar Grove Airmotive, Inc.

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<u>Gateway Air Service, Inc. Mt. Pleasant, MI</u> 5465 E. Airport Rd. 989-775-3515 Date: 3-8-06 Tach: 267.7 TSO: 267.7 Annual inspection per FAR part 43. Comp: 1-80, 2-78, 3-80, 4-78, 5-79, 6-77. Serviced oil and filter. 15/50 Installed 8 pc. new sparkplugs. Inspect fuel sump, mount connections, air filter, mufflers and engine controls. Lubed bendix. Complied with A.D's: 02-26-01, 04-10-14, 05-19-11. Run-up checked O.K. Returned to service as airworthy Todd Tarlton 388840559 IA
				<u>Gateway Air Service, Inc. Mt. Pleasant, MI</u> 5465 E. Airport Rd. 989-775-3515 Date: 5-14-07 Tach: 293.6 TSO: 293.6 Annual inspection per FAR part 43. Comp: 1-80, 2-77, 3-80, 4-75, 5-78, 6-80. Serviced the oil and filter. W100. Inspected the mufflers, exhaust, mount attachments and engine controls. Installed a new airfilter. Cleaned and rotated the sparkplugs. Inspected the prop and spinner. Shimmed the spinner at the dome. Reviewed A.D. compliances. Washed the engine and run-up. Todd Tarlton 388840449 IA

YEAR DATE	RECORDING TACH TIME	TODAY'S F'	TOTAL	Description of Inspections. Tests. Repairs and Alterations Certificate Number of other specific entries.)
				<u>Gateway Air Service, Inc. Mt. Pleasant, MI</u> 5465 E. Airport Rd. 989-775-3515 Date: 5-27-08 Tach: 336.7 TSO: 336.7 Annual inspection per FAR part 43. Comp: 1-79, 2-77, 3-79, 4-78, 5-78, 6-77. Serviced oil and filter. 15/50 Insp: exhaust/muffler, fuel sump, engine controls and mount attachments. Cleaned sparkplugs. Installed new airfilter. Reviewed and updated A.D. listings. Run-up and returned to service. Todd Tarlton 388840559 IA
				<u>Gateway Air Service, Inc. Mt. Pleasant, MI</u> 5465 E. Airport Rd. 989-775-3515 Date: 10-16-09 Tach: 340.3 TSO: 340.3 Annual inspection per FAR part 43. Comp: 1-78, 2-78, 3-79, 4-75, 5-77, 6-74. Serviced the oil and filter. 15/50 Insp: exhaust/mufflers, engine controls, fuel sump and mount attachments. Insp the sparkplugs and injector lines. Updated the A.D. listings. Run-up checked O.K. Returned to service. Todd Tarlton 388840559 IA

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<u>Gateway Air Service, Inc. Mt. Pleasant, MI</u> Date: 12-10-02 Tach: 43.4 TSO: 43.4 Annual inspection performed per FAR part 43. Comp: 1-80, 2-80, 3-80, 4-79, 5-80, 6-80. Serviced oil and filter. W15/50 Installed quickdrain at oil sump. Insp. injector lines for secureness. Installed pan heater. Reviewed A.D's and compiled listing.  Todd Tarlton 388840559 IA
7-26-03			Tach: 129.9	Serviced oil & filter. 15/50 Checked A.D. 03-14-03. NA  388840559 IA

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<u>Gateway Air Service, Inc. Mt. Pleasant, MI</u> 5465 E. Airport Rd. 989-775-3515 Date: 1-26-04 Tach: 169.6 TSO: 169.6 Annual inspection per FAR part 43. Comp: 1-80, 2-80, 3-80, 4-80, 5-80, 6-79. Serviced oil and filter. 15/50 Inspected exhaust and muffler assemblies. Installed new Brackett filter assembly. Filed 337. Cleaned inj. nozzles. Cleaned and gapped sparkplugs. Annealed gaskets. Insp. fuel sump. Lubed bendix. Run-up checked O.K. Returned to service as airworthy. Todd Tarlton 388840559 
				<u>Gateway Air Service, Inc. Mt. Pleasant, MI</u> 5465 E. Airport Rd. 989-775-3515 Date: 2-1-05 Tach: 211.1 TSO: 211.1 Annual inspection per FAR part 43. Comp: 1-80, 2-80, 3-80, 4-80, 5-80, 6-79. Serviced oil and filter. 15/50 Insp: airfilter, engine controls, mufflers and exhaust system. Cleaned and rotated sparkplugs. Insp prop and spinner assembly. Insp nozzles and inj. lines. Lubed bendix. Reviewed A.D's. Returned to service as airworthy. Todd Tarlton 388840559 IA 

Name _____ Address _____

City _____

Name _____

City _____

Name _____

City _____

Name _____

City _____

Name _____

City _____

Name _____

City _____

Name _____

City _____

Name _____

City _____ State _____

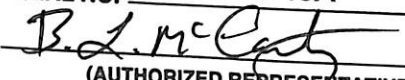
Name _____ From _____ To _____

City _____ Address _____

State _____ From _____ To _____

NEW RECIPROCATING ENGINE CERTIFICATE

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

MODEL IO-540-W1A5SERIAL NO. L-28076-48ADATE 3-27-01
(AUTHORIZED REPRESENTATIVE)**TEXTRON** Lycoming652 Oliver Street
Williamsport, PA 17701 U.S.A.

FORM NO. 777-B (Rev. 3/94)

Engine Record General Information

Manufacturer Lycoming

Model I0-540-W1A5 (235 h.p.)

Serial L-28076-48A

Type Certificate _____

This engine is currently installed in aircraft: N 4244L

Minimum Octane Fuel _____

Oil Grade Summer _____

Winter _____

Magneto Time _____

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours