

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N658DS

Engine Manufacturer Lycoming

Model IO-360-m1A

Serial No. BL-14962-51E

Date installed on aircraft 12/26/2011

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|-------------------------------|
| ☐ Right | ☐ Left |
| ☐ Front | ☐ Rear |



(All applicable information must be filled in)

AEROTECH PUBLICATIONS INC.

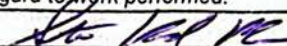
P.O. Box 1359 / Southold, NY 11971-0965

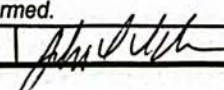
(631) 765-9375

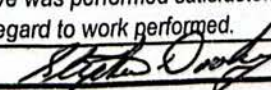
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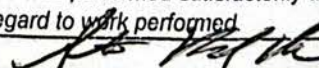
FAX: (631) 765-9359

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				

Engine Logbook Entry		Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884					Authorized Cirrus Service Center
Date	N' Number	Make/Model	Serial#	Tach	Hobbs	Total Time	W. O.
8/8/2018	N658DS	IO-360-M1A	L-14692-51E	3594.9	4640.4	1406.8	9532
Changed oil and filter, cut open filter no metal found. Serviced with 7 Qts Phillips 20W50 X/C and 1 pint Camguard. Oil sample taken. Compression test: #1 78/80, #2 76/80, #3 73/80, #4 76/80. Lapped #3 and #4 exhaust valves, in place, to remove minor carbon build up to correct low compressions. Engine run up leaked checked OK.							
I certify that the work described above was performed satisfactorily and in accordance with approved/acceptable data and is approved for return to service with regard to work performed.							
Authorized Signature: 				Steven VanderValk A&P 2919106			

Engine Logbook Entry		Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884					
Date	N' Number	Make/Model	Serial#	Tach	Hobbs	Total Time	W. O.
1/25/2019	N658DS	IO-360-M1A	RL-14962-51E	3666.7	4726.4	1478.6	9680
Changed oil and filter cut open old filter, no metal found. Serviced with 7 quarts of Phillips 20W50 oil. Cleaned and gapped spark plugs. Checked magneto timing. Performed compression check #1 76/80, #2 68/80, #3 70/80, #4 74/80. CW AD 15-19-07 by inspection of fuel injection lines. AD17-16-11 Engine connecting rod assy is N/A by serial number. Engine washed and run-up checked OK.							
I certify that this engine has been inspected in accordance with an Annual Inspection and determined to be in an airworthy condition.							
I certify that the work described above was performed in accordance with approved/acceptable data and is approved for return to service with regard to work performed.							
Authorized Signature: 				John L Longaker A&P 3432411 IA			

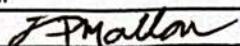
Engine Logbook Entry		Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884					
Date	N' Number	Make/Model	Serial#	tach:	TSMOH	Total Time	
6/17/2019	N658DS	IO-360-M1A	RL-14962-51E	3712		1523.9	
Drained oil, sample taken. Removed and replaced filter, opened and insp old filter element, found satisfactory. Serviced with 7qts Aeroshell 100W AD oil. Removed, cleaned, insp, gapped, tested, and reinstalled all spark plugs. Reset LH and engine timing. Engine run, ops, and leak checked satisfactory.							
I certify that the work described above was performed satisfactorily and in accordance with approved/acceptable data and is approved for return to service with regard to work performed.							
Authorized Signature: 				Stephen Dooley A&P 1535491			

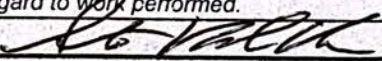
Engine Logbook Entry		Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884					Authorized Cirrus Service Center
Date	N' Number	Make/Model	Serial#	Tach	Hobbs	Total Time	W. O.
7/12/2019	N658DS	IO-360-M1A	L-14692-51E	3717.1	4789.5		9838
Installed new cylinder #1 baffle assembly.							
I certify that the work described above was performed satisfactorily and in accordance with approved/acceptable data and is approved for return to service with regard to work performed.							
Authorized Signature: 				Steven VanderValk A&P 2919106			

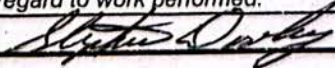
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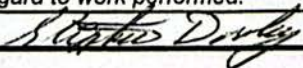
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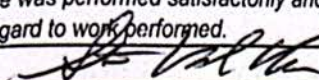
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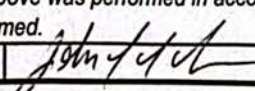
Engine Logbook Entry	Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884							
	Date	N' Number	Make/Model	Serial#	Tach	TSMO	Total Time	W. O.
	10/7/2019	N658DS	IO-360-M1A	RL14962-51E	3760.5	1572.4	1572.4	9967
Checked and adjusted magneto timing. Tightened dipstick tube and resafetied. Changed oil and filter, took blackstone oil sample, and added camguard. Cut open filter no metal found. Serviced with 7 quarts Phillips 20W50 oil. Run and leak check satisfactory.								
I certify that the work described above was performed in accordance with approved/acceptable data and is approved for return to service with regard to work performed.								
Authorized Signature: 					James Patrick Mallon P 4265760			

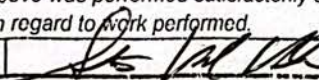
Engine Logbook Entry	Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884							Authorized Cirrus Service Center
	Date	N' Number	Make/Model	Serial#	Tach	SMOH	Total Time	
	2/11/2020	N658DS	IO-360-M1A	RL-14962-51E	3794.7		1606.6	10047
Changed oil and filter cut open old filter no metal found. Oil sample taken. Serviced with 7 quarts Phillips 20W50. Magneto timing checked. Spark plugs cleaned and gapped. #1 78/80, #2 72/80, #3 78/80, #4 60/80. Reinstalled left magneto serial# 11020723 after 500 hour inspection by Maxell's Magnetos, see maintenance release in aircraft records. C/W AD 15-19-07 by inspection of fuel injection lines. Engine washed and run-up checked OK.								
I certify that this engine has been inspected in accordance with an Annual Inspection and determined to be in an airworthy condition.								
I certify that the work described above was performed satisfactorily and in accordance with approved/acceptable data and is approved for return to service with regard to work performed.								
Authorized Signature: 					Steven VanderValk A&P 2919106 IA			

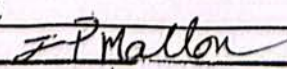
Engine Logbook Entry	Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884							Authorized Cessna Service Center
	Date	N' Number	Make/Model	Serial#	tach:	TSMOH	Total Time	
	7/21/2020	N658DS	IO-360-M1A	RL-14962-51E	3845.2		1657.1	10197
Drained oil, sample taken. Removed and replaced filter, opened and insp old filter element, found satisfactory. Serviced engine with 7qts Aeroshell 100W AD oil, and one bottle of Camguard. Removed, cleaned, insp, gapped, tested, and reinstalled all spark plugs. Engine run, ops, and leak checked satisfactory.								
I certify that the work described above was performed satisfactorily and in accordance with approved/acceptable data and is approved for return to service with regard to work performed.								
Authorized Signature: 					Stephen Dooley A&P 153549117			

Engine Logbook Entry	Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884							Authorized Cessna Service Center
	Date	N' Number	Make/Model	Serial#	tach:	TSMOH	Total Time	
	1/21/2021	N658DS	IO-360-M1A	RL-14962-51E	3923.1		1735	10442
Installed Reiff cylinder and oil sump heater kit, P/N TXPL4.								
I certify that the work described above was performed satisfactorily and in accordance with approved/acceptable data and is approved for return to service with regard to work performed.								
Authorized Signature: 					Stephen Dooley A&P 153549117			

Engine Logbook Entry		Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884					Authorized Cirrus Service Center
Date	N' Number	Make/Model	Serial#	Tach	SMOH	Total Time	W. O.
3/8/2021	N658DS	IO-360-M1A	RL-14962-51E	3928.5		1740.4	10469
Changed oil and filter cut open old filter no metal found. Oil sample taken. Serviced with 7 quarts Phillips 20W50 mineral. Magneto timing checked. Spark plugs cleaned and gapped. #1 70/80, #2 72/80, #3 78/80, #4 78/80. Replaced #3 and #4 cylinders due to low compression with new Superior Millenium cylinders SL36006W-A20P serial#'s 366W000001541 and 1543. CW AD 15-19-07 by inspection of fuel injection lines. Engine washed and run-up checked OK. I certify that this engine has been inspected in accordance with an Annual Inspection and determined to be in an airworthy condition. I certify that the work described above was performed satisfactorily and in accordance with approved/acceptable data and is approved for return to service with regard to work performed.							
Authorized Signature:						Steven VanderValk A&P 2919106 IA	

Engine Logbook Entry		Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884					Authorized Cirrus Service Center
Date	N' Number	Make/Model	Serial#	Tach	TSMO	Total Time	W. O.
3/30/2021	N658DS	IO-360-M1A	RL14962-51E	3961.1	1757.4		10516
Changed oil and filter. Cut open filter no metal found. Serviced with 7 quarts Phillips 20W50 oil. Run and leak check satisfactory. I certify that the work described above was performed in accordance with approved/acceptable data and is approved for return to service with regard to work performed.							
Authorized Signature:						John L. Longaker A&P 3532411	

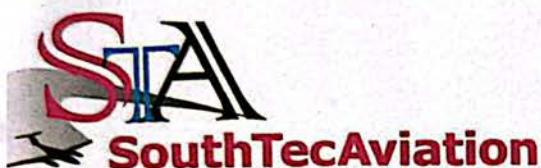
Engine Logbook Entry		Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884					Authorized Cirrus Service Center
Date	N' Number	Make/Model	Serial#	Tach	Hobbs	Total Time	W. O.
9/16/2021	N658DS	IO-360-M1A	L-14692-51E	4001.3	5131.2	1,797.6	9532
Changed oil and filter, cut open filter no metal found. Serviced with 7 Qts Phillips 20W50 X/C and 1 pint Camguard. Oil sample taken. Engine run up leaked checked O.K. I certify that the work described above was performed satisfactorily and in accordance with approved/acceptable data and is approved for return to service with regard to work performed.							
Authorized Signature:						Steven VanderValk A&P 2919106	

Engine Logbook Entry		Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884					Authorized Cirrus Service Center
Date	N' Number	Make/Model	Serial#	Tach	TSMO	Total Time	W. O.
11/9/2021	N658DS	IO-360-M1A	RL14962-51E	4010.1	1806.4	1806.4	10800
Checked Magneto timing, did not require adjustment. Checked spark plug resistance, cleaned and gapped sparkplugs. Reinstalled sparkplugs and runup satisfactory. I certify that the work described above was performed in accordance with approved/acceptable data and is approved for return to service with regard to work performed.							
Authorized Signature:						James Patrick Mallon P 4265760	

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Engine Logbook Entry		Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884					
Date	N' Number	Make/Model	Serial#	Tach	TSMO	Total Time	W. O.
2/8/2022	N658DS	IO-360-M1A	RL14962-51E	4039.0	1850.9	1850.9	10855
Checked for engine oil leak, which appeared to be spillage from servicing. Changed oil and filter, took blackstone oil sample, and added camguard. Cut open filter no metal found. Serviced with 7 quarts Phillips 20W50 oil. Run and leak check satisfactory.							
I certify that the work described above was performed in accordance with approved/acceptable data and is approved for return to service with regard to work performed.							
Authorized Signature: <i>J. Mallon</i>				James Patrick Mallon P 4265760			



3330 AIRPORT LOOP
 SALISBURY, NC 28147
 OFFICE: 704-431-6862
 INFO@SOUTHTECAVIATION.COM

DATE: APRIL 26, 2022 | LYCOMING IO-360-M1A | S/N: L-14962-51E | REG: N658DS
 TACH: 4048.1 HRS. TTE: 1860.0 HRS. TSMOH: NO OVERHAUL

100 HOUR INSPECTION COMPLETED THIS DATE USING DIAMOND AIRCRAFT DA40 INSPECTION CHECKLIST, AIRPLANE MAINTENANCE MANUAL, AND LYCOMING REPAIR MANUAL. AD'S CHECK THROUGH BI-WEEKLY NUMBER 2022-09.

AD 2015-19-07 INSPECTION OF EXTERNAL FUEL INJECTOR LINES COMPLIED WITH FOLLOWING LYCOMING ENGINES MSB NO. 342G, DATED JULY 16, 2013. REINSPECT AFTER ANY MAINTENANCE IS DONE WHERE ANY CLAMP ON A FUEL INJECTOR FUEL LINE WAS DISCONNECTED, MOVED, OR LOOSENED AND WITHIN EVERY 110 HOURS TIS AND AFTER EACH ENGINE OVERHAUL. NO FAULTS NOTED.

- COMPRESSIONS: 1). 75/80, 2). 70/80, 3). 76/80, 4). 72/80.
- CUT OIL FILTER, NO METAL NOTED.
- COLLECTED OIL SAMPLE FOR ANALYSIS.
- CHANGED OIL AND SERVICED ENGINE WITH SEVEN AEROSHELL W15W-50.
- REPLACED OIL FILTER, P/N:(AA48110-2).
- REPLACED RIGHT MAG WITH OVERHAULED SLICK MAGNETO P/N 4370R.

GROUND RAN ENGINE, NO FAULTS NOTED.

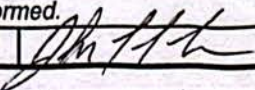
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND RETURNED TO SERVICE.

Timothy D Jordan
 TIMOTHY D JORDAN

A&P/IA 3264477

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Engine Logbook Entry	Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884							
	Date	N' Number	Make/Model	Serial#	Tach	TSMO	Total Time	W. O.
	9/29/2022	N658DS	IO-360-M1A	RL14962-51E	4096.3	1908.2		11165
Changed oil and filter. Cut open filter no metal found. Serviced with 7 quarts Phillips 20W50 oil. Run and leak check satisfactory.								
I certify that the work described above was performed in accordance with approved/acceptable data and is approved for return to service with regard to work performed.								
Authorized Signature: 				John L. Longaker A&P 3532411				

NEW ENGLAND AERO SERVICES ENGINE MAINTENANCE RECORD

Make	Model	Serial Number	Registration	Date
Lycoming	IO-360-M1A+		N658DS	6-8-2023
Tach Time:	4127.3	Engine TT:	TSMOH:	

Performed an annual inspection using a **Diamond** checklist.

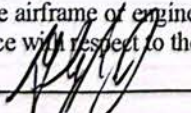
The following additional maintenance was performed:

1. Compression check 1) 76/80 2) 76/80 3) 77/80 4) 75/80.
2. All oil and fuel screens inspected and cleaned
3. Changed oil and filter AA48110-2, serviced with 8 Qts. Phil M 20W50 and Insp. filter.
4. Inspected and cleaned air filter element.
5. Serviced all spark plugs.
6. Installed new Cylinder assembly in #4 position P/N SL36006W-A20P S/N 366W0011490.
7. Complied with valve guide SB 388C SL 1425A on Cylinders # 1, 2, and 3. 1 and 2 were within serviceable limits #3 required reaming to be compliant with Service Bulletin.
8. Sent out #4 connecting rod out for repair PennYan Aero. Inspected and installed new rod bearing and all attaching hardware. Ops and clearance checks good.

C/W the following Ad's:

All ADs checked for compliance through issue **2023-12**.

I certify that the above stated maintenance and/or inspection(s) was performed in accordance with the current FAR's, and the airframe of engine identified above was found to be in an airworthy condition and is approved for return to service with respect to the work performed. Details are located on file under Work Order No. _____

Signature:  Name: Gerry Sykes Certificate Number: A&P 3664796 IA

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DATE

TOTAL
TIME
IN
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TIME
SINCE
OVERHAULTACH OR
RECORDING
METER
TIMEDESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK**NEW ENGLAND AERO SERVICES**
ENGINE MAINTENANCE RECORD

Make	Model	Serial Number	Registration	Date
Lycoming	IO-360-M1A+	RL-14962-51E	N658DS	7-12-2024
Tach Time:	4183.7	Engine TT:	TSMOH:	1995.6

Performed an annual inspection using a **Diamond Aircraft** checklist.

The following additional maintenance was performed:

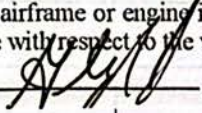
1. Compression check 1) 76/80 2) 77/80 3) 78/80 4) 78/80.
2. All oil and fuel screens inspected and cleaned
3. Changed oil and filter AA48110-2, serviced with 7 Qts. Aeroshell W100 with Camguard and inspected filter.
4. Installed a new air filter element P/N FR-08504.
5. Serviced all spark plugs.
6. Adjusted RH magneto to proper timing of 25 deg BTC.
7. Performed Powerflow Exhaust slip joint inspection and lubrication.

C/W the following Ad's:

2015-19-07 Inspection of fuel injection lines with no defects noted. Next due 4293.7 Tach.

All ADs checked for compliance through issue **2024-13**.

I certify that the above stated maintenance and/or inspection(s) was performed in accordance with the current FAR's, and the airframe or engine identified above was found to be in an airworthy condition and is approved for return to service with respect to the work performed. Details are located on file under Work Order No. _____

Signature:  Name: Gerry Sykes Certificate Number: A&P 3664796 IA

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