

ENGINE 2/12-52333 3/14

AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →			0	0	ENGINE INSTALLED NEW ON DA 40 4h
					Engine installation inspected I.A.W. Diamond Aircraft Industries Inc. DA 40 W.I.S. Rev: F Form ME-01-A
					Engine service with 8 qts. Of Philips 20W50 Type "M" engine oil.
					Engine break-in I.A.W. Lycoming Service Instruction 1427B
					FLIGHT TEST COMPLETED
OCT 27 2005			4.2		HOURS BROUGHT FORWARD
14 Jan 2006					Installed Ruff Corp. engine heater FAA-PMA No PQ 2585CB in error done with installed instructions

Three Wing Flying Services, Inc. 400 Great Meadow Rd. Stratford, CT 06615
LOG ID# 1357 04-February-2006 WO# 16851 HOBBS 37.8
N192DS S/N 40.576 DIAMOND DA-40 TACH 27.2
G1000 hourmeter 27.2

Pg 1 / 2

Date 02/04/2006 Engine Total Time 27.2 TSMOH N/A

Hourmeter (G1000) 27.2

I certify that this engine has been inspected in accordance with an INITIAL 25 HOUR INSPECTION and an ANNUAL INSPECTION and current FAA Regulations and was determined to be in an airworthy condition. Pertinent details are on file at this facility under work Order # 16851

Three Wing Flying Services, Inc.
400 Great Meadow Rd. Stratford, CT 06615

1. Cylinders compression: #1-79/80; #2-77/80; #3-78/80; #4-79/80.
2. All spark plugs cleaned, gapped, tested, rotated and reinstalled using new p/n M674 gaskets.
3. Changed oil and filter. Cut open and inspected old filter. Installed new p/n CH48110-1 filter. Cleaned engine and lubed controls. Serviced with 8 quarts of Phillips 20W50 mineral oil.
4. Inspected, cleaned and reinstalled oil suction screen using new p/n MS35769-21 gasket.
5. Serviced induction air filter and reinstalled.
6. Secured loose oil dipstick tube and resafted.
7. Magneto timing checked at: L/H = 24 and R/H = 25.
8. Complied with AD 2002-26-01 inspection of fuel injector nozzle fuel lines per

Three Wing Flying Services, Inc. 400 Great Meadow Rd. Stratford, CT 06615
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G1000 hourmeter 27.2

Pg 2 / 2

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMA

TOTAL SINCE MFG.

Lycoming Service Bulletin 342D. No defects noted.

9. Ran engine and checked for leaks. No leaks noted. END---

MAINTENANCE RECORD

1

REPAIRS, ADJUSTMENTS, MODIFICATIONS

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

40.576

DA
Q 42

LYCOMING

A Textron Company
652 Oliver Street
Williamsport, PA 17701 U.S.A.
570/323-6181

ENGINE SERIAL NUMBER L-32335-51A

IN SERVICE DATE 271005 ENG. 4
TT. 4

DETACH AND RETAIN THIS PORTION FOR YOUR RECORD

DA
Q 42

Wt 0.98 lb, weight 1m (39.4 in)
New empty weight 1734.96 lb

44512225

Three Wing Flying Services, Inc 400 Great Meadow Rd Stratford, CT 06615
LOG ID# 1477 05-May-2006 WO# 16951 AC TT 49.7
N192DS S/N 40.576 DIAMOND DA-40
G1000 hourmeter 49.7

Pg 1/1

1. Changed oil and filter. Cut open and inspected old filter. Installed new p/n CH48110-1 filter. Cleaned engine and lubed controls. Serviced with 8 quarts of Aeroshell 15W50 oil.
2. Dressed minor nicks from leading edge of propeller blades.
3. Ran engine and checked for leaks. No leaks noted. END-----

44527025 Anthony J. DiNuzzo

5/5/2006
Date

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HRS.	MIN.	HRS.	MIN.	

Three Wing Flying Services, Inc. 400 Great Meadow Rd Stratford, CT 06615
 LOG ID# 1680 15-September-2006 WO# 17157
 N192DS S/N 40.576 DIAMOND DA-40
 G1000 hourmeter 102.0

Pg 1 / 1

1. Changed oil and filter. Cut open and inspected old filter. Installed new p/n CH48110-1 filter. Cleaned engine and lubed controls. Serviced with 8 quarts of Aeroshell 15W50 oil.
2. Took oil sample for spectrometric analysis.
3. Ran engine and checked for leaks. No leaks noted.
4. Diamond Service Bulletin MSB-40-048 dated 9/15/2006 does not apply to this engine. Engine has 102.0 hours time in service. END-----

A&P 2759295 Adolph W. David III

9/15/2006
Date

Three Wing Flying Services, Inc. 400 Great Meadow Rd Stratford, CT 06615
 LOG ID# 1786 20-November-2006 WO# 17248
 N192DS S/N 40.576 DIAMOND DA-40
 G1000 hourmeter 143.7

Pg 1 / 1

1. Changed oil and filter. Cut open and inspected old filter. Installed new p/n CH48110-1 filter. Cleaned engine and lubed controls. Serviced with 8 quarts of Aeroshell 15W50 oil.
2. Took oil sample for spectrometric analysis.
3. Ran engine and checked for leaks. No leaks noted. END-----

A&P 2759295 Adolph W. David III

11/20/2006
Date

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

Three Wing Flying Services, Inc. 400 Great Meadow Rd Stratford, CT 06615
 LOG ID# 1680 15-September-2006 WO# 17157
 N192DS S/N 40.576 DIAMOND DA-40
 G1000 hourmeter 102.0

Pg 1 / 1

1. Changed oil and filter. Cut open and inspected old filter. Installed new p/n CH48110-1 filter. Cleaned engine and lubed controls. Serviced with 8 quarts of Aeroshell 15W50 oil.
2. Took oil sample for spectrometric analysis.
3. Ran engine and checked for leaks. No leaks noted.
4. Diamond Service Bulletin MSB-40-048 dated 9/15/2006 does not apply to this engine. Engine has 102.0 hours time in service. END-----

A&P 2759295 Adolph W. David III

Date

9/15/2006

Three Wing Flying Services, Inc. 400 Great Meadow Rd Stratford, CT 06615
 LOG ID# 1786 20-November-2006 WO# 17248
 N192DS S/N 40.576 DIAMOND DA-40
 G1000 hourmeter 143.7

Pg 1 / 1

1. Changed oil and filter. Cut open and inspected old filter. Installed new p/n CH48110-1 filter. Cleaned engine and lubed controls. Serviced with 8 quarts of Aeroshell 15W50 oil.
2. Took oil sample for spectrometric analysis.
3. Ran engine and checked for leaks. No leaks noted. END-----

A&P 2759295 Adolph W. David III

Date

11/30/2006

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

PERFORMER: **ALCANTARA, INC.** REGISTERED ADDRESS:

SIGNATURE

ENGINE
NUMBER

Engine

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: **N192DS**

A/C S/N

40576

DATE: **03/15/07**

A/C TOTAL TIME: **183.8 (TIS)**

HOUP METER: **237.4**

W/O NO: **MW001-0004**

ENGINE TOTAL TIME: **183.8 (TIS)**

S.M.O.H.

1. Complied with a 100 hour/Annual inspection in accordance with Diamond Aircraft DA-40 A.M.M. chapter 05-20-00.
2. Complied with **AD 2002-26-01** amend. 39-12986 dated 1/31/03, Inspection of fuel injection lines. Inspected fuel injection lines in accordance with **Textron Lycoming SB 342F** and found to be satisfactory. Inspection next due: **283.8 TIS/337.4 ACTT**.
3. Complied with **Slick SB #106A**, Removal of pin #2 on SS1001 Slick **START**™ ignition booster. Removed pin #2 on right magneto SS1001 Slick **START**™ ignition booster per SB instructions. No further action required.
4. Drained engine oil and obtained oil sample for analysis. Removed oil filter, cut open, inspected element and found to be satisfactory. Installed, torqued and safetied new oil filter, P/N: CH48110-1. Removed, inspected, cleaned and reinstalled oil suction/sump screen. Serviced engine with Aeroshell 15W50. Performed engine ground run, leak check satisfactory.
5. Performed cylinder differential compression check: #1 77/80, #2 76/80, #3 75/80, and #4 77/80.
6. Retensioned alternator belt in accordance with Diamond Aircraft DA-40 A.M.M. chapter 24-30-00.
7. Retorqued rocker box cover screws as required.
8. Performed post inspection engine ground run, operational and leak checks satisfactory -----END-----

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #S059204N. Aircraft Under Repair # 192DS-0004.
I certify that this Engine has been inspected in accordance with
a 100 Hour/Annual Inspection of Diamond Aircraft DA-40
A.M.M. chapter 05-20-00 and has been found satisfactory for the
work performed.
Date: **03/15/07** At Total Time: **183.8 TIS/337.4 ACTT**
Signature: **Kallista H. Sely**
Title: Chief Inspector

Maintenance Release

The Aircraft, Airframe, Engine, Propeller, Or Appliance 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. Permanent Records Of The Repair Are On File At This Repair Station Under

W/O# **MW001-0004** Date **03/15/07** Signed **Kallista H. Sely**
For **Columbia Air Services, Inc.** FAA Certified Repair Station # S059204N Groton-New London Airport, Groton, CT 06340

Engine

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: **N192DS**

A/C S/N

40576

DATE: **06/06/07**

A/C TOTAL TIME: **232.5 (TIS)**

HOUP METER: **296.0**

W/O NO: **MW0-07-2130**

ENGINE TOTAL TIME: **232.5 (TIS)**

S.M.O.H.

1. Drained engine oil and obtained oil sample for analysis. Removed oil filter, cut open, inspected filter element and found to be satisfactory. Installed, torqued and safetied new oil filter, P/N: CH48110-1. Removed, inspected, cleaned and reinstalled oil suction/sump screen. Serviced engine with Aeroshell 15W50. Performed engine ground run, leak and operational checks satisfactory.

-----END-----

Maintenance Release

The Aircraft, Airframe, Engine, Propeller, Or Appliance 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. Permanent Records Of The Repair Are On File At This Repair Station Under

W/O# **MW0-07-2130** Date **06/06/07** Signed **Kallista H. Sely**
For **Columbia Air Services, Inc.** FAA Certified Repair Station # S059204N Groton-New London Airport, Groton, CT 06340

ENGINE SERVICE AND

DATE

TIME RUN

TIME SINCE
OVERHAUL

INSTALLATIONS, INSPECTIONS,

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

BRO
FOR

Engine

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N192DS

A/C S/N: 40.576

DATE: 10/04/07

A/C TOTAL TIME: 291.1 (TIS)

HOURLY METER: 386.2

W/O NO: MWO-07-2254

ENGINE TOTAL TIME 291.1 (TIS)

S.M.O.H.

1. Drained engine oil and obtained oil sample for analysis. Removed oil filter, cut open, inspected filter element and found to be satisfactory. Installed, torqued and safetied new oil filter, P/N: CH48110-1. Removed, inspected, cleaned and reinstalled oil suction/sump screen. Serviced engine with Aeroshell 15W50.
2. Removed, cleaned, inspected, bench tested, rotated positions and reinstalled spark plugs.
3. Performed engine ground run. Operational and leak checks satisfactory.

-----END-----

Maintenance Release
The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Inspected And Satisfactorily Complied With Current Regulations Of The Federal Aviation
Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# MWO-07-2254 Date 10/04/07 Signed *R. H. S. S.*
For Columbia Air Services, Inc., FAA Certified Repair Station # 5039204N, Groton-New London Airport, Groton, CT 06340



INFINITY AVIATION

Infinity Aviation Services LLC
117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #16FR992Y
www.infinitybo.com

Date: 3/12/2008; Aircraft: N192DS; Type: DA40; S/N: 40.576; Hobbs: 452.70; Tach: 345.50; Total Time: 345.50

* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the DA40-180 Maintenance Manual.

* Performed a Differential Compression Check with the following results: Cylinder #1 72/80, Cylinder #2 74/80, Cylinder #3 73/80, Cylinder #4 75/80

* Checked the Magneto Timing.

* ~~Cleaned, gapped, and tested the spark plugs.~~ Replaced spark plugs with new Antislite Fine - wire plug

* Lubricated the engine controls and slip joints after cleaning.

* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48110-1, torqued and safetied. Added 7 quarts of Aeroshell 15W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

* Complied with AD 2002-26-01 by inspection of the metal fuel injection lines between the fuel manifold and the fuel injection nozzles in accordance with the latest version of Textron Lycoming Service Bulletin 342. Next inspection due at the next annual, 100 hour inspection or any time maintenance has been performed on the fuel lines.

* Removed and cleaned the fuel servo finger inlet screen and the fuel bowl. Reinstalled the screen with new o-rings.

I certify that this engine has been inspected in accordance with an Annual/100 hour inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Lee Abt

Date: 3/11/2008, W/O: 112042

Infinity Aviation Services LLC

FAA Certified Repair Station

#16FR992Y

PREVIOUS SUMMARY

TOTAL
SINCE MFG.

ENGINE SERVICE AND

DATE

TIME RUN

TIME SINCE
OVERHAUL

INSTALLATIONS, INSPECTIONS,

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION

BMO
FOR

Engine

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N192DS

A/C S/N: 40.576

DATE: 10/04/07

A/C TOTAL TIME: 291.1 (TIS)

HOURLY METER: 386.2

W/O NO: MWO-07-2254

ENGINE TOTAL TIME 291.1 (TIS)

S.M.O.H.

1. Drained engine oil and obtained oil sample for analysis. Removed oil filter, cut open, inspected filter element and found to be satisfactory. Installed, torqued and safetied new oil filter, P/N: CH48110-1. Removed, inspected, cleaned and reinstalled oil suction/sump screen. Serviced engine with Aeroshell 15W50.
2. Removed, cleaned, inspected, bench tested, rotated positions and reinstalled spark plugs.
3. Performed engine ground run. Operational and leak checks satisfactory.

-----END-----

Maintenance Release

This Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Inspected And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permission Is Granted For The Repair And On File At This Repair Station Under:

W/O: MWO-07-2254 Date: 10/04/07 Signed: *Kallister H. S.*

For Columbia Air Services, Inc. FAA Certified Repair Station # 001926IN, Gravel-New London Airport, Gravel, CT 06340



INFINITY AVIATION

Infinity Aviation Services LLC
117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #001926Y
www.infinityav.com

Date: 3/12/2008, Aircraft: N192DS; Type: DA40; S/N: 40.576; Hobbs: 452.70; Tach: 345.50; Total Time: 345.50

* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the DA40-180 Maintenance Manual.

* Performed a Differential Compression Check with the following results: Cylinder #1 72/80, Cylinder #2 74/80, Cylinder #3 73/80, Cylinder #4 75/80

* Checked the Magneto Timing.

* *Cleaned, gapped, and tested the spark plugs. Replaced spark plugs with new Antiknock Fine-wave plugs*

* Lubricated the engine controls and slip joints after cleaning.

* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48110-1, torqued and safetied. Added 7 quarts of Aeroshell 15W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

* Complied with AD 2002-26-01 by inspection of the metal fuel injection lines between the fuel manifold and the fuel injection nozzles in accordance with the latest version of Textron Lycoming Service Bulletin 342. Next inspection due at the next annual, 100 hour inspection or any time maintenance has been performed on the fuel lines.

* Removed and cleaned the fuel servo finger inlet screen and the fuel bowl. Reinstalled the screen with new o-rings.

I certify that this engine has been inspected in accordance with an Annual/100 hour inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Lee Abt

Date: 3/11/2008, W/O: 112042

Infinity Aviation Services LLC

FAA Certified Repair Station

#16FR992Y

PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

3

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

Airframe

N192DS

LOG BOOK ENTRY

Page 1 of 1

40.576

A/C REG:

A/C S/N:

DATE: 07/02/2008

A/C TOTAL TIME:

HOURLY METER:

502.7

W/O NO: A-08-2030

ENGINE TOTAL TIME 385.9

S.M.O.H.

1. Removed defective alternator P/N ALU-8521LS S/N F034082 and main alternator cable and installed Diamond warranty exchange alternator P/N ALU-8521LS S/N G093143 and alternator cable P/N DA4.2406-41-00 S/N MP0710430. Operational check satisfactory.

- END -

Maintenance Release
The Aircraft Airframe, Engines, Propellers Or Appliance 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. Repaired And Inspected On: 07/02/2008 Signed: [Signature]
W/O# A-08-2030 Date: 07/02/2008
Columbia Air Services, Inc.
Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # 8059264N

8 Jul 08 390.6 System hrs.

Drained engine oil, replaced + safety-wired oil filter with CH4811D-1 filter. Cut open old filter, checked for metal particles - none found. Added 7 qts Aeroshell 68/100 oil, test ran engine, checked for leaks - none found.

[Signature] (over)

6 Oct 08 435.3 System hrs

Drained engine oil, replaced + safety-wired oil filter with CH4811D-1 filter. Cut open old filter, checked for metal particles - none found. Added 7 qts Exxon Elite 20W50 oil, test ran engine, check for leaks - none found.

[Signature] (over)

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

TIME IN		TIME OUT	
HRS	MIN	HRS	MIN

INSTALL. REPAIRS: ☐ INSPECTION: ☐

NOTE: USE BOTH PAGES AND #64401-1015-41-00-10

REPAIRS
A TIME



INFINITY AVIATION

10000, Buller Road, Napa, CA 94558
111 Elmwood Road, Napa, CA 94558
FAA Certified Repair Station #669992V

Date: 3/17/2009 Aircraft: N192DS Type: DA40 S/N: 40576 Hobbs: 61730 Tach: 47790 Total Time: 47790

* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the DA40-100 Maintenance Manual

* Performed a Differential Compression Check with the following results: Cylinder #1 74/80, Cylinder #2 69/80, Cylinder #3 74/80, Cylinder #4 74/80

* Checked the Magneto Timing

* Cleaned, gapped, and tested the spark plugs

* Lubricated the engine controls and slip joints after cleaning

* Drained and screened the oil for particles with none noted. Cleaned, inspected and reinstalled the sump screw. Removed, put open and inspected the oil filter for particles with none noted. Installed a new oil filter ES48110-1, torqued and safetied. Added 7 quarts of Exxon Elite 20W50 oil and 12oz Avblend supplied by the owner. Washed the engine with varsol and dried with compressed air.

Ground ran the engine and checked for oil leaks with no leaks noted.

* Complied with AD 08-14-07 by inspection of the metal fuel injection lines between the fuel manifold and the fuel injection nozzles in accordance with the latest version of Textron Lycoming Service Bulletin 342. Next inspection due at the next annual, 100 hour inspection or any time maintenance has been performed on the fuel lines.

I certify that this engine has been inspected in accordance with an Annual/100 hour inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Lee Abl

Date: 3/17/2009, W/O 112643

Infinity Aviation Services LLC

FAA Certified Repair Station

#16FR992V

4 Jul 09

521.1 Suction hrs

(43.2 hrs since last oil change)

Drained engine oil, removed & replaced oil filter with new ES48110-1, torqued & safetied. Added 7 qts Exxon EL to 20W50 oil, plus 12oz Avblend. Ground - run engine to check for leaks - none found. E.A. (owner)

21 Nov 09

563.1 Suction hrs

(42.0 hrs since last oil change)

Drained engine oil, removed & replaced oil filter with new ES48110-1, torqued & safetied. Oil filter cap open and inspected - no metal particles noted. Added 7 qts Exxon EL to 20W50 plus 12oz Avblend. Ground run engine, checked for leaks, none found. Returned to service. E.A. (owner)

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

Engine

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 2

A/C REG: N192DSA/C S/N: 40.576DATE: 04/20/10A/C TOTAL TIME: 575.3 (TIS)HOUR METER: 739.5W/O NO: MWO-10-3185ENGINE TOTAL TIME 575.3 (TIS)

S.M.O.H.

1. Complied with a 100 hour/Annual inspection in accordance with Diamond Aircraft DA-40 A.M.M. chapter 05-20-00.
2. Complied with **AD 2008-14-07** amend. 39-15602 dated 08/14/08, Inspection of fuel injection lines. Inspected fuel injection lines in accordance with **Textron Lycoming SB 342E** and found to be satisfactory. **Inspection next due: 675.3 TIS/839.5 ACTT.**
3. Complied with **Textron Lycoming SB 584B**, Mandatory inspection on Slick 4200/6200/4300/6300 and Lasar 4700/6700 magnetos. Inspected left and right magnetos carbon brushes, distributor blocks and breaker point cams for wear per **Slick SB 3-08A**. Removed and replaced right magneto brush with new, P/N: K3215. (Qty 1) Removed and replaced left magneto distributor block assembly with new, P/N: K3822. Reassembled magnetos using new seals, P/N: K3307. Reinstalled magnetos using new gaskets, P/N: LW12681 (Qty 2). **Inspection next due: 675.3 TIS/839.5 ACTT or 4/30/11.**
4. Complied with **Slick SB2-08A**, Mandatory inspections on all slick 4300/6300 and Lasar 4700/6700 magnetos. Inspected installed magnetos (S/N: LH- 05021452, RH-05040635) for premature cam wear, found to be satisfactory. **Inspection next due: 675.3 TIS/839.5 ACTT or 4/30/11.**
5. Drained engine oil and obtained oil sample for analysis. Removed oil filter, cut open, inspected element and found to be satisfactory. Installed, torqued and safetied new oil filter, P/N: CH48110-1. Removed, inspected, cleaned and reinstalled oil suction/sump screen. Serviced engine with Exxon 20W50 Elite.
5. Performed cylinder differential compression check: #1 74/80, #2 74/80, #3 73/80, and #4 76/80.
6. Removed, cleaned, resealed and reinstalled oil filler tube.

-----CONTINUED-----

Engine Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 2

7. Resecured oil sump heat pad wire harness as required.
8. Performed post inspection engine ground run, operational and leak checks satisfactory.

-----END-----

WO NO.

MWO-10-3185

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #S0012005. Work Order # W/O-10-3185
 Testify that this Engine has been inspected in accordance with
 a 100 Hour/Annual Inspection of Diamond Aircraft DA-40
 A.M.M. chapter 05-20-00 and has been found satisfactory for the
 work performed.

Date: 04/20/10 A/C Total Time: 575.3 TIS/839.5 ACTTSignature: [Signature]
Title: Chief Inspector

Maintenance Release

The Aircraft, Airframe, Engine, Propeller, Or Appliance 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. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O # S1W/O-10-3185, Date: 04/20/10 Signed: [Signature]
 For: Columbia Air Services, Inc. FAA Certified Repair Station #S0012005, Groton-New London Airport, Groton, CT 06340

HOURS.

MAXIMUM HOURS BETWEEN OVERHAULS

A/C REG N192DS

A/C S/N 10.576

DATE: 04/20/10

A/C TOTAL TIME 575.3 (TIS)

HOUR METER 739.5

W/O NO

MWD 10.3185

ENGINE TOTAL TIME 575.3 (TIS)

SMOH

1. Complied with a 100 hour/Annual inspection in accordance with Diamond Aircraft DA-40 A M.M. chapter 05-20-00.
2. Complied with **AD 2008-14-07** amend. 39-15602 dated 08/14/08, Inspection of fuel injection lines. Inspected fuel injection lines in accordance with **Textron Lycoming SB 342E** and found to be satisfactory. **Inspection next due: 675.3 TIS/839.5 ACTT.**
3. Complied with **Textron Lycoming SB 584B**, Mandatory inspection on Slick 4200/6200/4300/6300 and Lasar 4700/6700 magnetos. Inspected left and right magnetos carbon brushes, distributor blocks and breaker point cams for wear per **Slick SB 3-08A**. Removed and replaced right magneto brush with new, P/N: K3215. (Qty 1) Removed and replaced left magneto distributor block assembly with new, P/N: K3822. Reassembled magnetos using new seals. P/N: K3307. Reinstalled magnetos using new gaskets, P/N: LW12681 (Qty 2). **Inspection next due: 675.3 TIS/839.5 ACTT or 430/11.**
4. Complied with **Slick SB2-08A**, Mandatory inspections on all slick 4300/6300 and Lasar 4700/6700 magnetos. Inspected installed magnetos (S/N: LH- 05021452, RH-05040635) for premature cam wear, found to be satisfactory. **Inspection next due: 675.3 TIS/839.5 ACTT or 430/11.**
5. Drained engine oil and obtained oil sample for analysis. Removed oil filter, cut open, inspected element and found to be satisfactory. Installed, torqued and safetied new oil filter, P/N: CH48110-1. Removed, inspected, cleaned and reinstalled oil suction/sump screen. Serviced engine with Exxon 20W50 Elite.
6. Performed cylinder differential compression check: #1 74/80, #2 74/80, #3 73/80, and #4 76/80.
7. Removed, cleaned, resealed and reinstalled oil filter tube.

-----CONTINUED-----

Engine Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 2

7. Resecured oil sump heat pad wire harness as required.
8. Performed post inspection engine ground run, operational and leak checks satisfactory.

-----END-----

WO NO.

NIW0-10-USA

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

I hereby certify that this Engine has been inspected in accordance with a 100 Hour Annual Inspection of Boeing Aircraft OA-40 and has been found satisfactory for the work performed.

Data: 4470/10, A.C. Total-Time: 578.3/116,739.8 AC (1

Submitted: 11/1/01

File: *Ch. 10.doc*

Maintenance Release

The Aircraft, Airframe, Engine, Propeller, Or Appliance 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. Permanent Records Of The Repair Are On File At This Repair Station Under

W-118 NW/0-10-3105 Day 04-20-10

For Columbia Air Services, Inc. FAA Certified Repair Station # S00000N, Union New London Airport, Union, CT 06390

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

[illegible]

MAINTENANCE RECORD

Engine

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 2

ENGINE
NUMBER

A/C REG	N192DS	A/C S/N	40576
DATE	04/12/11	A/C TOTAL TIME	648.2 (TIS)
W/O NO	748.2 TIS/934.1 ACTT	ENGINE TOTAL TIME	648.2 (TIS)
		SMOH	

1. Complied with a 100 hour Annual inspection in accordance with Diamond Aircraft DA-40 A.M.M. chapter 05-20-00.
2. Complied with AD 2008-14-07 amend 39-15602 dated 08/14/08, Inspection of fuel injection lines. Inspected fuel injection lines in accordance with Textron Lycoming SB 342E and found to be satisfactory. Inspection next due: 748.2 TIS/934.1 ACTT.
3. Textron Lycoming SB 584B, Mandatory inspection on Slick 4200/6200/4300/6300 and Lasar 4700/6700 magnetos, does not apply. Champion distributor block assembly was installed in left magneto and Champion carbon brush assembly was installed in right magneto on 4/20/10 @ 739.5 ACTT. No further action required.
4. Slick SB2-08A, Mandatory inspections on all Slick 4300/6300 and Lasar 4700/6700 magnetos, does not apply by installed magneto serial numbers (LH: 05021452 and RH: 05040639). No action required.
5. AVStar Mandatory Service Bulletin No. AFS-SB6, The fracture of a fuel diaphragm stud in fuel servos, does not apply by unit P/N: RSA-5AD1 and S/N: 70993403. No action required.
6. Drained engine oil. Removed oil filter, cut open, inspected element and found to be satisfactory. Installed, torqued and safetied new oil filter. P/N: CH48110-1. Removed, inspected, cleaned and reinstalled oil suction sump screen. Serviced engine with Exxon 20W50 Elite and one (1) pint of AvBlend.
7. Performed cylinder differential compression check: #1 70/80, #2 71/80, #3 70/80, and #4 70/80.
8. Removed and replaced muffler brace with new, P/N: D41-7806-20-01 in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 78.

-----CONTINUED-----

Engine Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 2

9. Removed and replaced one (1) spark plug in #4 cylinder with new, P/N: REM388.
10. Performed post inspection engine ground run, operational and leak checks satisfactory.

-----END-----

WO NO.

W/O DATE

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #00192DWS, Work Order # 20110413554
I certify that this Engine has been inspected in accordance with a 100 Hour Annual Inspection of Diamond Aircraft DA-40 A.M.M. chapter 05-20-00 and has been found satisfactory for the work performed.
Date: 04/12/11
Signature: [Signature]
Title: Chief Inspector

Maintenance Release
The Aircraft, Airframe, Engine, Propeller, or Appliance 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. Permanent Record Of This Repair Will Be Filed In File At This Repair Station Under:
W/O: 20110413554 Date: 04/12/11 Signed: [Signature]
For: Columbia Air Services, Inc. FAA Certified Repair Station # 00192DWS, Groton-New London Airport, Groton, CT 06340

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
4 Sep 11	670	6	(862.3 Hours)		Drained engine oil; R/R oil filter with new BS48110-1, torques & safetied.
	22.4	28.2	hrs since last change		Oil filter cut open, inspected for metal particles - none found. Added 7 qts Exxon Elite 20W-50 oil, 12 oz AvBlend additive. Engine ground-run to check for leaks - none found.
					Referred to service by owner
					RSK

Engine		Columbia Air Services, Inc.		Page 1 of 1
A/C REG: N192DS		A/C S/N: 40.576		
DATE: 04/13/12	A/C TOTAL TIME: 701.7 (TIS)	HOUR METER: 902.0		
W/O NO: MWO-12-3855	ENGINE TOTAL TIME: 701.7 (TIS)	S.M.O.H.		
1. Complied with a 200 hour/Annual inspection in accordance with Diamond Aircraft DA-40 A.M.M. chapter 05-28-50. Researched AD's through Bi-Weekly 2012-06. 2. Complied with 400 hour rocker box cover inspection in accordance with Diamond Aircraft DA-40 A.M.M. chapter 05-28-50. Removed and replaced rocker box cover gaskets with new, P/N: 75906. (Qty 4) 3. Complied with AD 2011-26-04 amend. 39-16894 dated 1/25/12, Inspection of fuel injection lines. Inspected fuel injection lines in accordance with Textron Lycoming SB 342F and found to be satisfactory. Inspection next due: 801.7 TIS/1002.0 ACTT. 4. AD 2012-03-06 amend. 39-16947 dated 2/24/12, AVStar Fuel Systems (AVS) fuel servo diaphragms, does not apply by installed servo serial number (70993403). No action required. 5. AD 2012-03-07 amend. 39-16948 dated 3/27/12, HA-6 carburetors, does not apply. Aircraft is equipped with RSA-5AD1 fuel injection servo. No action required. 6. Drained engine oil. Removed oil filter, cut open, inspected element and found to be satisfactory. Installed, torqued and safetied new oil filter, P/N: CH48110-1. Removed, inspected, cleaned and reinstalled oil suction/sump screen. Serviced engine with Exxon 20W50 Elite and one (1) pint of AvBlend. 7. Performed cylinder differential compression check: #1 78/80, #2 76/80, #3 76/80, and #4 78/80. 8. Removed, cleaned, flow checked and reinstalled fuel nozzles. 9. Performed post inspection engine ground run, operational and leak checks satisfactory. -----END-----				
COLUMBIA AIR SERVICES, INC. GROTON-NEW LONDON AIRPORT GROTON, CONNECTICUT 06340 FAA Repair Station 05-180345, Work Order # 105912-585 I certify that this engine has been inspected in accordance with a 200 Hour/Annual Inspection of Diamond Aircraft DA-40 A.M.M. chapter 05-28-50 and has been found acceptable for the work performed. Date: 04/13/12 A/C Reg: N192DS ACTT Signature: <i>[Handwritten Signature]</i>				

TOTAL THIS PAGE			
TOTAL FROM PREVIOUS SUMMARY			
TOTAL SINCE MFG.			

CARRIED FORWARD

Engine

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 2

A/C REG: N192DS

A/C S/N: 40.576

DATE: 5/3/13	A/C TOTAL TIME: 753.2 (TIS)	HOUR METER: 970.0
W/O NO: MWO-13-4202	ENGINE TOTAL TIME 753.2 (TIS)	S.M.O.H.

1. Complied with a 100 hour/Annual inspection in accordance with Diamond Aircraft DA-40 Series A.M.M. chapter 05-28-50. Researched AD's through Bi-Weekly 2013-08.
2. Complied with 500 hour SlickSTART system and magneto inspection in accordance with Diamond Aircraft DA-40 Series A.M.M. chapter 05-28-00. Removed, disassembled and inspected left and right magnetos. Left magneto satisfactory. Removed and replaced right magneto distributor block and gear assembly with new, P/N: K3822. Reassembled and reinstalled magnetos using new gaskets. Timed magnetos to engine.
3. Complied with 500 hour alternator and bearing and brushes inspection in accordance with Diamond Aircraft DA-40 Series A.M.M. chapter 05-28-00. Removed and replaced alternator brush assembly, P/N: ALE1013AS and brush holder, P/N: ALU3045, with new. Retensioned alternator belt. Operational check satisfactory.
4. Complied with 5 year firewall attachment bolt inspection in accordance with Diamond DA-40 Series A.M.M. chapter 05-28-00. Found to be satisfactory.
5. Complied with AD 2011-26-04 amend. 39-16894 dated 1/25/12. Inspection of fuel injection lines. Inspected fuel injection lines in accordance with Textron Lycoming SB 342F and found to be satisfactory. Inspection next due: 853.2 TIS/1070.0 ACTT.
6. AD 2012-19-01 amend. 39-17196 dated 10/24/12. Prevent crankshaft failure, does not apply. Installed engine, Lycoming Model IO-360-M1A S/N: L-32335-51A, is not listed in Tables 1-4 of Lycoming Mandatory SB No. 569A. No action required.

-----CONTINUED-----

Engine Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 2

7. Lycoming Mandatory SB No. 603, Slick 4200/6200 or 4300/6300 series impulse Coupled or direct drive magnetos, does not apply. Installed magnetos, P/N: 4347 (LH) and 4348 (RH) S/N: 05021452 (LH) and 05040635 (RH), are not listed in SB or Slick SB 1-12. No action required.
8. Performed post inspection engine ground run, operational and leak checks satisfactory.

-----END-----

WO NO.

MWO-13-4202

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #04322424N Work Order # MWO-13-4202
I certify that this Engine has been inspected in accordance with
a 100 Hour/Annual Inspection of Diamond Aircraft DA-40
AOM chapter 05-28-50 and has been found satisfactory for this
work performed.
Date: 5/3/13 A/C Total Time: 753.2 TIS/970.0 ACTT

Signature:

Richard A. Nelson

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
21 Sep 12	740	7	(952.2 hrs)		Drained engine oil, R/R oil filter with new <u>48110-1</u>; torqued & safetied. Old oil filter cut open, inspected - no oil particles noted. Added 7 qts Exxon Elite 20W-50 oil, 1 qt. Avblend. Ground ran engine to check for leaks - none found. Returned to service by owner. <i>[Signature]</i>
← See Overhaul for interval entry					
10 Oct 2013	799	7	(1017.6 hrs) (37.4 hrs)	(47.6 hrs)	Drained engine oil, R/R oil filter with new <u>Temp 48110-2</u>; torqued & safetied new filter. Old filter cut open, inspected, no outward particles. Added 7 qts Exxon Elite 20W-50 oil, 1 qt. Avblend. Engine ground-run, checked for leaks - none found. Returned to service by owner. <i>[Signature]</i>



INFINITY AVIATION

117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #16FR992Y

Date: 5/20/2014; Aircraft: N192DS; Type: DA40; S/N: 40.576; Hobbs: 1036.00; Tach: 806.30; Total Time: 806.30

* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the DA40-180 Maintenance Manual.

* Performed a Differential Compression Check with the following results: Cylinder #1 77/80, Cylinder #2 76/80, Cylinder #3 75/80, Cylinder #4 78/80.

* Checked the Magneto Timing.

* Cleaned, gapped, and tested the spark plugs.

* Lubricated the engine controls and slip joints after cleaning.

* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48110-1, torqued and safetied. Added 7 quarts of Exxon Elite 20W50 oil with Avblend. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

* Complied with AD 2011-26-04 by inspection of the metal fuel injection lines between the fuel manifold and the fuel injection nozzles in accordance with the latest version of Textron Lycoming Service Bulletin 342. Next inspection due at the next annual, 100 hour inspection or any time maintenance has been performed on the fuel lines.

* Removed, inspected, cleaned and reinstalled the fuel servo inlet screen. Torqued the fitting to manufacturer's specifications. Performed a leak check with no leaks noted.

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers

Date: 5/20/2014, W/O: 115317

Infinity Aviation Services LLC

FAA Certified Repair Station

#16FR992Y

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	→				
5 Oct 14	850.7	(1089.2 Hobbs)			Drained engine oil, R/R oil filter with oil filter cut open, checked for metal. 20W-50 oil, 1 qt Avblend. Ground - Returned to service by owner. <i>Ben J. [Signature]</i>
	(44.4)	(53.7)			



INFINITY AVIATION

117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #16FR992Y

Date: 5/12/2015; Aircraft: N192DS; Type: DA40; S/N: 40.576; Hobbs: 1103.30; Tach: 861.10; Total Time: 861.10

* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the DA40-180 Maintenance Manual.

* Performed a Differential Compression Check with the following results: Cylinder #1 78/80, Cylinder #2 76/80, Cylinder #3 76/80, Cylinder #4 78/80.

* Checked the Magneto Timing.

* Cleaned, gapped, and tested the spark plugs.

* Lubricated the engine controls and slip joints after cleaning.

* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48110-1, torqued and safetied. Added 7 quarts of Exxon Elite 20W50 oil with Avblend. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.

* Complied with AD 2011-26-04 by inspection of the metal fuel injection lines between the fuel manifold and the fuel injection nozzles in accordance with the latest version of Textron Lycoming Service Bulletin 342. Next inspection due at the next annual, 100 hour inspection or any time maintenance has been performed on the fuel lines.

* Removed, inspected, cleaned and reinstalled the fuel servo inlet screen. Torqued the fitting to manufacturer's specifications. Performed a leak check with no leaks noted.

* Re-torqued all rocker box cover screws to manufacturer's specifications.

* Removed the oil filler tube and cleaned. Removed and replaced the oil filler tube gasket p/n 72059. Reinstalled the oil filler tube and secured.

I certify that this engine has been inspected in accordance with an Annual/100 hour inspection and was determined to be in airworthy condition and is approved for return to service. Permanent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers

Date: 5/12/2015, W/O: 115685

Infinity Aviation Services LLC

FAA Certified Repair Station

#16FR992Y

29 Nov 15	896.3 hrs	1151.7 Hobbs			Drained engine oil, R/R oil filter with new Tempust 48110-2, torqued + safety-wired. Added 7 qt Exxon Elite oil 20W-50. Ground run engine, checked for leaks - none noted. Old filter cut open, check for metal - none found. Returned to service by owner. <i>Ben J. [Signature]</i>
	(38.2)	(48.4)			

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
<i>new 98110-2, torqued and safety-wired. Old particles - were found. Added 7 qts Exxon Elite ran engine to check for leaks - none noted.</i>		



Date: 5/19/2016, Aircraft: N192DS; Type: DA40; S/N: 40.576; Hobbs: 1162.80; Tach: 904.70; Total Time: 904.70

* Performed a 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the DA40-180 Maintenance Manual.

* Performed a Differential Compression Check with the following results: Cylinder #1 78/80, Cylinder #2 77/80, Cylinder #3 76/80, Cylinder #4 78/80.

* Checked the Magneto Timing.

* Cleaned, gapped, and tested the spark plugs.

* Lubricated the engine controls and slip joints after cleaning.

* Drained and screened the oil for particles with none noted. Removed, cut open and inspected the oil filter for particles with none noted. Removed the suction screen and inspected, cleaned, and reinstalled with a new gasket. Installed a new oil filter AA48110-2, torqued and safetied both. Added 7 quarts of Exxon Elite 20W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted *and 1 can of Autolene.*

* Complied with AD 2015-19-07 by inspection of the metal fuel injection lines between the fuel manifold and the fuel injection nozzles in accordance with the latest version of Textron Lycoming Service Bulletin 342. Next inspection due at the next annual, 100 hour inspection or any time maintenance has been performed on the fuel lines.

* Removed, inspected, cleaned and reinstalled the fuel servo inlet screen. Torqued the fitting to manufacturer's specifications.

Performed a leak check with no leaks noted.

* Re-safetied the muffler mount bracket hardware.

* Replaced a screw above the #4 rocker box cover.

* Complied with Diamond MSB40-033, Exhaust System Inspection in accordance with the accomplishment instructions with no defects noted.

I certify that this engine has been inspected in accordance with an Annual/100 hour inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers *[Signature]*

Date: 5/19/2016, W/O: 116095

Infinity Aviation Services LLC

FAA Certified Repair Station

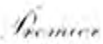
#16FR992Y

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

	TIME RUN		TIME SINCE OVERHAUL		NOTES / ACTIONS - WORK - TIME
	HRS	MIN	HRS	MIN	
WPT-107 PRIMARY					
1 Nov 2016	9	19.6	(1679.9)		Drained engine oil. R&R oil gage with new Tempstat. 98 deg F. Water pump & belt - used. Added 7 qt Exxon SAE 2L W-5C. Engine ground-run. Checked for leaks - none noted. Oil filter replaced. Check for water particles - none found. Returned to service by noon. <i>[Signature]</i>
13 Feb 2017					C/W beginning USSB 612 - replaced old oil gage with new PN LW 14760 <i>[Signature]</i>

International Journal of
 Management Reviews
 14(1) 2012, 1–12
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Premier Aircraft Service, Inc.

5540 NW 23rd Avenue, Range 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2803

DATE: 6/1/2017
A/C: TSN 802
ENQ: FT 802
TAC: 802

Engine Entries

- (1) OVER-ANNUAL INSPECTION ON THIS ENGINE IAW 14 CFR PART 43, APPENDIX D, USING DA40-180 MM INSPECTION GUID. CHECKED ENGINE OIL AND FILTER. SERVICED ENGINE WITH 8 QTWS 20W50 EXXON ELITE OIL AND A REVERSE TIGHTENED OIL FILTER CHECKED FOR CONTAMINATION NONE FOUND. CLEANED REGAPPED AND RE-GRIND SPARK PLUGS. PERFORMED COMPRESSION CHECK. 78-76 VS 76-80 WORK PERFORMED IAW DA40-180 MM ENGINE WAS GROUND RUN AND LEAK CHECKED OK. ADS CHECKED THROUGH CURRENT ON ATP
- (6) CVA AD 2015-19-07 FUEL INJECTOR LINES AND SUPPORT CLAMP INSPECTION (EA ANNUAL 110 HR) NO DEFECTS FOUND AT THIS TIME
- (2) ADJUSTED ENGINE MIXTURE TO RICHEN IAW DA40 MM CH-7100
- (2) TIGHTENED AND RE-SAFETIED OIL LEVEL. GAUGE HOUSING AS REQUIRED.
- (2) REPLACED CYLINDER #3 VALVE COVER GASKET WITH NEW P/N 5L75906 IAW Q-360-M1A OM SECTION 6. LEAK CHECK GOOD.
- (2) REPLACED CYLINDER #1 BOTTOM SPARK PLUG WITH NEW P/N UREM385 IAW Q-360-M1A OM SECTION 4.

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IN AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

DATE 6/1/2017

SIGNED

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 7573-05-2017

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PREVIOUS SUMMARY

TOTAL
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MAINTENANCE RECORD

9

REPAIRS, ADJUSTMENTS, MODIFICATIONS

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

ORMOND AIRCRAFT

8/9/2017
TACH. 981.4
ETT: 981.4

N192DS
MAKE: LYCOMING
MODEL: IO-360-M1A
SN: L-32335-51A

ENGINE

INSPECTED IN ACCORDANCE WITH DIAMOND MAINTENANCE MANUAL 6.02.01
50HOUR CHECKLIST. DRAINED OIL AND SERVICED ENGINE WITH 8QTS EXXON
AVIATION ELITE 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW
P/N: AA48110-2. REMOVED, CLEANED AND INSPECTED SPARK PLUGS IN
ACCORDANCE WITH LYCOMING SERVICE INSTRUCTION 1042Z. ENGINE GROUND
OPERATION CHECK SATISFACTORY.

////////////////////END////////////////////////////////////



JOHN D. BRODERICK 3703452A&P

ENGINE MODEL:
IO-360-M1A
ENGINE SN: L-32335-51A
REG. NO: 192DS
WORK ORDER:
7768-10-2017

Premier
Aircraft Service

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2303

DATE: 11/1/2017
A/C TSN: 1024.9
ENG TT: 1024.9
TACH: 1024.9

Engine Entries

(3) CHANGED OIL AND FILTER. SERVICED WITH 8 QTS. OF EXON ELITE AND A NEW CH48110-1 OIL FILTER. OLD OIL
FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. ENGINE WAS GROUND RUN. OPS
CHECK NORMAL AND NO LEAKS NOTED.

DATE: 11/1/2017

SIGNED

SAMUEL TAVAREZ JR.
CRS# 9PRR402B

Work Order: 7768-10-2017

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MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
ORMOND AIRCRAFT					
12/28/2017					REG: N192DS
TACH: 1073.9					MAKE: LYCOMING
HOBBS: 1379.3					MODEL: IO-360
ENGINE					
1. SERVICED ENGINE WITH 7QTS EXXON ELITE 20W-50 OIL.					
2. REPLACED OIL FILTER WITH NEW PN: CH48110-1.					
//////////////////////////////////////END//////////////////////////////////////					
				JOHN D. BRODERICK 3703452A&P	
ENGINE MODEL: IO-360-M1A ENGINE S/N: L-32335-51A REG. NO: 192DS WORK ORDER: 7916-03-2018 Premier Aircraft Service, Inc. 3540 NW 23rd Avenue Hanger 14 Fort Lauderdale, FL 33308 Phone: (954) 334-2393 DATE: 3/12/2018 A/C TGN: 1439.5 ENG TT: 1439.5 TACH: 1439.5					
Engine Entries (2) DRAINED OIL. REMOVED OIL FILTER CUT OPEN AND INSPECTED MEDIA FOR FOREIGN OBJECTS AND METAL WITH NONE OF ABOVE FOUND. INSTALLED NEW OIL FILTER P/N: CH48110-1 X 1 ; REPLENISHED ENGINE OIL WITH AEROSHELL W 100 PLUS 8 QTS. OPERATIONAL LEAK CHECK SATISFACTORY ALL WORK PERFORMED WITH REFERENCE DA-40 M.M. CHAPTER 72 FOR SCOPE OF MAINTENANCE TASK PERFORMED.					
DATE: 3/12/2018		SIGNED:		Work Order: 7916-03-2018	
		SAMUEL TAVAREZ JR CRS# 9PRR402B		Printed by EBIS 3 (datcomedia.com)	
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TOTAL SINCE MFG.					

MAINTENANCE RECORD

10

ENTRIES, DRAW

ENGINE MODEL
IO-360-M1A
ENGINE S/N: L-32335-51A
REG. NO: 18205
WORK ORDER:
8024-06-2018

Premier
Aircraft Service

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 7/24/2018
A/C TSN: 1184.1
ENG TT: 1184.1
TACH: 1184.1

SIGNATURE

LICENCE
NUMBER

Engine Entries

(3) CAV ANNUAL INSPECTION ON THIS ENGINE IAW 14 CFR PART 43, APPENDIX "D" USING DA40-180 MM AND A NEW CH 48110-1 FILTER. OLD FILTER AND OIL SUMP SCREEN WERE CHECKED FOR CONTAMINATION. NONE FOUND. CLEANED, REGAPPED, AND CHECKED SPARK PLUGS. PERFORMED COMPRESSION CHECK #1 75 #2 78 #3 76 #4 75/80. WORK PERFORMED IAW DA40-180 MM. ENGINE WAS GROUND RUN AND LEAK CHECKED OK. ADS CHECKED THROUGH CURRENT ON ATP.
(9) CAV AD 2015-19-07 FUEL INJECTOR LINES INSPECTION. ALL CLAMPS FOUND IN GOOD CONDITION AND SECURED.
(19) CLEANED GAPPED AND TESTED BOTTOM SPARK PLUGS. PERFORMED MAG TIMING CHECK AND ADJUSTED RIGHT MAG TO SPECIFICATION. ALL WORK PERFORMED IAW LYCOMING IO360-M1A OM SECTION 4-30. OPS CHECK GOOD.
(45) REPLACED ALL CYLINDERS INTAKE SEALS WITH NEW P/N SL71973AND SL77569 IAW LYCOMING IO360-M1A MM CH 72-60-07.
(46) REPLACED ALL FOUR CYLINDER VALVE COVER GASKETS WITH NEW P/ SL75906 IAW LYCOMING IO360 M1A.
(52) REPLACED ENG FWD CRANKSHAFT SEAL WITH NEW P/N LV13792 AS REQUIRED. RE INSTALLED PROPELLER IAW HARTZELL MM 115N CH 61-00-15.

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 7/24/2018

SIGNED:

SAMUEL TAVAREZ JR.
CRS# 9PRR402B

Work Order: 8024-06-2018

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-360-M1A
ENGINE S/N: L-32335-51A
REG. NO: 18205
WORK ORDER:
8134-10-2018

Premier
Aircraft Service

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 10/18/2018
A/C TSN: 1211.9
ENG TT: 1211.9
TACH: 1211.9

Engine Entries

(2) CHANGED OIL AND FILTER. SERVICED WITH 8 QTS. OF ELITE 20W/50 AND A NEW CH48110-1 OIL FILTER. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. ALL WORK PERFORMED IAW DA40-180 MM CH 72-01. ENGINE WAS GROUND RUN. OPS CHECK NORMAL AND NO LEAKS NOTED.

DATE: 10/18/2018

SIGNED:

RAY BYSIEWICZ
CRS 9PRR402B

Work Order: 8134-10-2018

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-360-M1A
ENGINE S/N: L-32335-51A
REG. NO: 18205
WORK ORDER:
8257-01-2019

Premier
Aircraft Service

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 1/25/2019
A/C TSN: 1256.2
ENG TT: 1256.2
TACH: 1256.2

Engine Entries

(2) CHANGED OIL AND FILTER. SERVICED WITH 8 QTS. OF EXXON ELLITE 20W50 AND A NEW CH48110-1 OIL FILTER. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. NONE FOUND. ENGINE WAS GROUND RUN. OPS CHECK NORMAL AND NO LEAKS NOTED.

DATE: 1/25/2019

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 8257-01-2019

Printed by EBis 3 (datcomedia.com)

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

MAINTENANCE RECORD

10

ENTRIES: DRAM

ENGINE MODEL
10-360-M1A
ENGINE SN: 1-32335-11A
REG NO: 14208
WORK ORDER
8024-06-2018

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 1/24/2018
A/C TSN: 1184-1
ENG TT: 1184-1
TACH: 1184-1

ATURE

LICENCE
NUMBER

Engine Entries

(1) CAV ANNUAL INSPECTION ON THIS ENGINE IAW 14 CFR PART 43, APPENDIX D, USING DA40-180 MM INSPECTION GUIDE. CHANGED ENGINE OIL AND FILTER. SERVICED ENGINE WITH 8 QTS EXXON ELITE 20W/50 OIL AND A NEW CH 48110-1 FILTER. OLD FILTER AND OIL SLUMP SCREEN WERE CHECKED FOR CONTAMINATION. NONE FOUND. CLEANED, REGAPPED AND CHECKED SPARK PLUGS. PERFORMED COMPRESSION CHECK #1-5 #2-7 #3-9 #4-15 #6-10. WORK PERFORMED IAW DA40-180 MM ENGINE WAS GROUND RUN AND LEAK CHECKED OK. ADS CHECKED THROUGH CURRENT ON ATP.
(9) CAV AD 2015-19-07 FUEL INJECTOR LINES INSPECTION. ALL CLAMPS FOUND IN GOOD CONDITION AND SECURED.
(10) CLEANED GAPPED AND TESTED BOTTOM SPARK PLUGS. PERFORMED MAG TIMING CHECK AND ADJUSTED RIGHT MAG TO SPECIFICATION. ALL WORK PERFORMED IAW LYCOMING IO360-M1A OM SECTION 4-30 OPS CHECK GOOD.
(45) REPLACED ALL CYLINDERS INTAKE SEALS WITH NEW P/N SL71973AND SL77569 IAW LYCOMING IO360-M1A MM CH 72-60-07.
(46) REPLACED ALL FOUR CYLINDER VALVE COVER GASKETS WITH NEW P/N SL75906 IAW LYCOMING IO360 M1A.
(52) REPLACED ENG FWD CRANKSHAFT SEAL WITH NEW P/N LW13792 AS REQUIRED. RE INSTALLED PROPELLER IAW HARTZELL MM 115N CH 61-00-15.

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 1/24/2018

SIGNED:

SAMUEL TAVAREZ JR.
CRS# 9PRR402B

Work Order: 8024-06-2018

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL
10-360-M1A
ENGINE SN: 1-32335-11A
REG NO: 14208
WORK ORDER
8134-10-2018

Premier
Aircraft Service

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 10/18/2018
A/C TSN: 1211-8
ENG TT: 1211-8
TACH: 1211-8

Engine Entries

(2) CHANGED OIL AND FILTER. SERVICED WITH 8 QTS. OF ELITE 20W/50 AND A NEW CH48110-1 OIL FILTER. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. ALL WORK PERFORMED IAW DA40-180 MM CH 72-01 ENGINE WAS GROUND RUN. OPS CHECK NORMAL. AND NO LEAKS NOTED.

DATE: 10/18/2018

SIGNED:

RAY BYSILWACZ
CRS 9PRR402B

Work Order: 8134-10-2018

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL
10-360-M1A
ENGINE SN: 1-32335-11A
REG NO: 14208
WORK ORDER
8257-01-2019

Premier
Aircraft Service

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 1/25/2019
A/C TSN: 1256-2
ENG TT: 1256-2
TACH: 1256-2

Engine Entries

(2) CHANGED OIL AND FILTER. SERVICED WITH 8 QTS. OF EXXON ELLITE 20W/50 AND A NEW CH48110-1 OIL FILTER. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. NONE FOUND. ENGINE WAS GROUND RUN. OPS CHECK NORMAL AND NO LEAKS NOTED.

DATE: 1/25/2019

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 8257-01-2019

Printed by EBis 3 (datcomedia.com)

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

MAINTENANCE RECORD

10

ENTRIES, DRAW

ENGINE MODEL:
O-360-M1A
ENGINE S/N: L-32335-51A
REG. NO. 18205
WORK ORDER:
8024-06-2018

Premier
Aircraft Service

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2382

DATE: 7/24/2018
AC TSN: 1184.1
ENG TT: 1184.1
TACH: 1184.1

Engine Entries

(3) CW ANNUAL INSPECTION ON THIS ENGINE IAW 14 CFR PART 43, APPENDIX "D" USING DA40-180 MM INSPECTION GUIDE. CHANGED ENGINE OIL AND FILTER. SERVICED ENGINE WITH 8 QTS EXXON ELITE 20W50 OIL AND A NEW CH 48110-1 FILTER. OLD FILTER AND OIL BUMP SCREEN WERE CHECKED FOR CONTAMINATION. NONE FOUND. CLEANED, REGAPPED, AND CHECKED SPARK PLUGS. PERFORMED COMPRESSION CHECK #1 75 #2 70 #3 76 #4 75#5 WORK PERFORMED IAW DA40-180 MM ENGINE WAS GROUND RUN AND LEAK CHECKED OK A31 CHECKED THROUGH CURRENT ON ATP
(6) CMA AD 2015-19-07 FUEL INJECTOR LINES INSPECTION. ALL CLAMPS FOUND IN GOOD CONDITION AND SECURED
(19) CLEANED GAPED AND TESTED BOTTOM SPARK PLUGS. PERFORMED MAG TIMING CHECK AND ADJUSTED RIGHT MAG TO SPECIFICATION. ALL WORK PERFORMED IAW LYCOMING IO360-M1A OM SECTION 4-30. OPS CHECK GOOD
(45) REPLACED ALL CYLINDERS INTAKE SEALS WITH NEW P/N SL71973AND SL77569 IAW LYCOMING IO360-M1A MM CH 72-60-07
(46) REPLACED ALL FOUR CYLINDER VALVE COVER GASKETS WITH NEW P/N SL75906 IAW LYCOMING IO360-M1A
(52) REPLACED ENG FWD CRANKSHAFT SEAL WITH NEW P/N LW13792 AS REQUIRED. RE INSTALLED PROPELLER IAW HARTZELL MM 115N CH 61-00-15.

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

DATE: 7/24/2018

SIGNED

SAMUEL YAVAREZ JR.
CRS# 9PRR402B

Work Order: 8024-06-2018

Printed by EBis 3 (dalcomedia.com)

ENGINE MODEL:
O-360-M1A
ENGINE S/N: L-32335-51A
REG. NO. 18205
WORK ORDER:
8134-10-2018

Premier
Aircraft Service

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2382

DATE: 10/16/2018
AC TSN: 1211.9
ENG TT: 1211.9
TACH: 1211.9

Engine Entries

(2) CHANGED OIL AND FILTER. SERVICED WITH 8 QTS. OF ELITE 20W50 AND A NEW CH48110-1 OIL FILTER. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. ALL WORK PERFORMED IAW DA40-180 MM CH 72-01. ENGINE WAS GROUND RUN. OPS CHECK NORMAL AND NO LEAKS NOTED.

DATE: 10/16/2018

SIGNED

RAY BYSERVICE
CRS 9PRR402B

Work Order: 8134-10-2018

Printed by EBis 3 (dalcomedia.com)

ENGINE MODEL:
O-360-M1A
ENGINE S/N: L-32335-51A
REG. NO. 18205
WORK ORDER:
8257-01-2019

Premier
Aircraft Service

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2382

DATE: 1/25/2019
AC TSN: 1256.2
ENG TT: 1256.2
TACH: 1256.2

Engine Entries

(2) CHANGED OIL AND FILTER. SERVICED WITH 8 QTS. OF EXXON ELITE 20W50 AND A NEW CH48110-1 OIL FILTER. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. NONE FOUND. ENGINE WAS GROUND RUN. OPS CHECK NORMAL AND NO LEAKS NOTED.

DATE: 1/25/2019

SIGNED

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 8257-01-2019

Printed by EBis 3 (dalcomedia.com)

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

MAKE Diamond
MODEL DA 40
S/N 40 578
REG NO 1920S
WORK ORDER
8452-05-2019



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE 5/29/2019
A/C TSN 1326.1
ENG TT 1328.1

Airframe Entries

(2) CHANGED OIL AND FILTER TOOK OIL SAMPLE. SERVICED WITH 7 QTS. OF EXXON ELITE 20W50 AND A NEW CHART 10-1 OIL FILTER. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. ENGINE WAS GROUND RUN. OPS CHECK NORMAL AND NO LEAKS NOTED.

DATE 5/29/2019

SIGNED

SAMUEL TAVAREZ JR.
CRS# 9PRR402B

Work Order: 8452-05-2019

Printed by EBis 3 (datacomedia.com)

ENGINE MODEL:
IO-360-M1A
ENGINE S/N L-32335-51A
REG. NO 1920S
WORK ORDER:
8524-07-2019



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 8/15/2019
A/C TSN 1328.1
ENG TT 1328.1

Engine Entries

- (3) C/W ANNUAL INSPECTION ON THIS ENGINE IAW 14 CFR PART 43, APPENDIX "D" USING DIAMOND DA40-180 MM INSPECTION CHECKLIST AS A GUIDE. CHANGED ENGINE OIL AND FILTER. SERVICED ENGINE WITH 8 QTS 20W50 EXXON ELITE OIL AND A NEW FILTER. OLD FILTER WAS CHECKED FOR CONTAMINATION. NONE FOUND. CHECKED MAG TO ENGINE TIMING. CLEANED, REGAPPED, AND CHECKED SPARK PLUGS. PERFORMED COMPRESSION CHECK. 77-77-73-70/80 WORK PERFORMED IAW DIAMOND DA40-180 MM. ENGINE WAS GROUND RUN AND LEAK CHECKED OK. A/Ds CHECKED THROUGH CURRENT ON AT.
- (6) C/W AD 2015-19-07 FUEL INJECTION LINES INSPECTION. NO DEFECTS FOUND AT THIS TIME.
- (15) REPLACED BASE GASKET ON OIL DIPSTICK IAW IO-360-M1A MM CH 72-50.
- (16) REPLACED CYLINDER 3 VALVE COVER GASKET WITH NEW P/N SL75906 IAW IO-360-M1A MM CH 72-60.
- (17) TIGHTENED ALL CYLINDER OIL RETURN LINE HOSE CLAMPS AS REQUIRED.

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 8/15/2019

SIGNED

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 8524-07-2019

Printed by EBis 3 (datacomedia.com)

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES, DRAW A DIAGONAL LINE THROUGH ANY (DUPLICATE) LINES IN DATE AND TIME COLUMNS

SIGNATURE

LICENSE
NUMBER

ENGINE MODEL:
IO-360-M1A
ENGINE S/N: L-32335-51A
REG. NO: 18208
WORK ORDER:
8881-11-2019



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 11/22/2019
A/C TSN: 1345 B
ENG TT: 1345 B
TACH: 1345 B

Engine Entries

(2) CHANGED OIL AND FILTER SERVICED WITH 8 QTS. OF 20W50 EXXON ELITE AND A NEW CH48110-1 OIL FILTER OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION NONE FOUND ENGINE WAS GROUND RUN OPS CHECK NORMAL AND NO LEAKS NOTED AT THIS TIME

DATE: 11/22/2019

SIGNED

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 8881-11-2019

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-360-M1A
ENGINE S/N: L-32335-51A
REG. NO: 18208
WORK ORDER:
8889-03-2020



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 3/30/2020
A/C TSN: 1375 Z
ENG TT: 1375 Z
TACH: 1375 Z

Engine Entries

(2) CHANGED OIL AND FILTER SERVICED WITH 8 QTS. OF AEROSHELL W100 PLUS AND A NEW CH48110-1 OIL FILTER OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION NONE FOUND ALL WORK PERFORMED IAW DA40-180 MM CH 79-00 ENGINE RUN UP CHECKED GOOD

DATE: 3/30/2020

SIGNED

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 8859-03-2020

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-360-M1A
ENGINE S/N: L-32335-51A
REG. NO: 18208
WORK ORDER:
9010-07-2020



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 9/18/2020
A/C TSN: 1418 Z
ENG TT: 1418 Z
TACH: 1418 Z

Engine Entries

(3) C/W ANNUAL INSPECTION ON THIS ENGINE IAW 14 CFR PART 43, APPENDIX "D" USING DIAMOND DA40-180 MM INSPECTION CHECKLIST AS A GUIDE TOOK OIL SAMPLE CHANGED ENGINE OIL AND FILTER SERVICED ENGINE WITH 8 QTS OF AEROSHELL 100W PLUS OIL AND A NEW FILTER PN CH48110-1. OLD FILTER WAS CHECKED FOR CONTAMINATION NONE FOUND CLEANED OIL SCREEN CLEANED, REGAPPED, AND CHECKED SPARK PLUGS. PERFORMED COMPRESSION CHECK 70-70-72-72/80 32 ORIFICE WORK PERFORMED IAW DIAMOND DA40-180 MM. ENGINE WAS GROUND RUN AND LEAK CHECKED OK. ADs CHECKED THROUGH CURRENT ON ATP.
(9) C/W AD 2015-19-07 FUEL INJECTION LINE INSP IAW LYCOMING SB 342G. NO DEFECTS NOTED AT THIS TIME.
(21) REMOVED LH MAG MD# 4347, SN: 05021542 AND RH MAG MD#4370, SN: 05040635 SENT TO QUALITY AIRCRAFT ACCESSORIES UNDER REPAIR INVOICE # 076354 FOR 500HR MAG INSP. INSTALLED LH MAG MD# 4347, SN: 05021542 AND RH MAG MD#4370, SN: 05040635 AFTER REPAIR IAW IO-360 MAINTENANCE AND OVERHAUL MANUAL.
(24) REMOVED AND REPLACED ALL CYLINDER EXHAUST GASKETS IAW DA40-180 MM 79-00-00
(26) SECURED DIPSTICK HOUSING IAW LYCOMING DIRECT DRIVE OVERHAUL MANUAL.
(27) REPLACED AIR FILTER WITH NEW PN FR-08504 IAW DA40-180 MM CH 71-60.

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

DATE: 9/18/2020

SIGNED

SAMUEL TAVAREZ JR
CRS 9PRR402B

Work Order: 9010-07-2020

Printed by EBis 3 (datcomedia.com)

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
N192DS Diamond Model: DA40 S/N: 40.576 Lycoming Model: IO-360-M1A S/N: L-32335-51A Date: 01/26/2021 Tach: <u>1460.3</u> ETT: <u>1460.3</u> Engine Log Performed oil and filter change. Cleaned oil screen. Serviced with 8 Qts, Aeroshell 100plus. Oil sample taken for Analysis. This aircraft is returned to service with respect to the work performed. Aerial Banners, Inc. / 954-893-0099 By: <u>[Signature]</u> Cert.# 3132014 A&P					
N192DS Diamond Model: DA40 S/N: 40.576 Lycoming Model: IO-360-M1A S/N: L-32335-51A Date: 06/11/21 Tach: 1483.9 ETT: 1483.9 Engine Log Performed oil and filter change. Cleaned oil screen. Serviced with 8 Qts, Aeroshell 100plus. Oil sample taken for Analysis. This aircraft is returned to service with respect to the work performed. Aerial Banners, Inc. / 954-893-0099 By: <u>M. Thurman</u> Cert.# <u>3781957</u> A&P					
TOTAL THIS PAGE					CARRIED FORWARD
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

12

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

1 of 2

ENGINE MODEL: Aerial Banners Inc. Date: 10/6/2021
IO-360-M1A 601 SW 77th Way A/C TT: 1495.3
ENGINE S/N: Pembroke Pines, FL 33023 ENG TT: 1495.3
L-32335-51A TACH: 1495.3
Reg. No: N192DS

Engine Entries

Performed Annual Inspection IAW 14 CFR PART 43 APPENDIX "D" using Diamond DA40-180 MM Inspection checklist. Drained oil, took oil sample and inspected oil filter for contaminants – none found at this time. Replaced oil filter CH 48110-1 and serviced engine with 8 quarts of Aero shell W100+. Performed Compression check: 1) 76/80, 2) 78/80, 3) 76/80, 4) 78/80.

2 of 2

Cleaned oil screen, gascolator, fuel servo screen and fuel injectors. Cleaned, gapped and tested Spark plugs. Replaced L/H Magneto gasket with P/N LW 12681. Replaced all oil return lines with P/N STD 2180. Replaced all valve cover gaskets with P/N 75906. Replaced Air filter P/N FR-08504. C/W AD 2015-19-07 fuel lines. All AD's checked through 2120-20. Ground run Engine, All Ops and leak checks OK.

I certify this Engine has been inspected IAW Annual Inspection and was determined to be in Airworthy Condition.

Date: 10/6/2021 Signed:

David Bauer
21A 2565309

ENGINE MODEL:
IO-360-M1A
ENGINE S/N:
L-32335-51A
Reg. No: N192DS

Aerial Banners Inc.
601 SW 77th Way
Pembroke Pines, FL 33023

Date: 10/13/2021
A/C TT: 1495.3
ENG TT: 1495.3
TACH: 1495.3

Engine Entries

Replaced all top and bottom spark plugs with REM-40E spark plugs. All work performed IAW DA-40 MM. I certify this engine is in airworthy condition and is approved for return to service.

MAXIMUM HOURS BETWEEN OVERHA

Date: 10/13/21 Signed:

David Bauer
21A 2565309

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					

Make: Lycoming
Model: IO360-M1A
ENG. SN: L-32335-S1A
Reg No: N192DS

Aerial Banners Inc.
601 SW 77th Way
Pembroke Pines, FL

Date: 2/23/22
TACH: 1514.3

ENGINE ENTRY

Performed Oil change. Drained oil and removed oil filter. Inspected filter for contaminants - none found. Serviced Engine with 8 quarts of Aero shell W100+ oil and CH48110-1 oil filter. Ops and leak check satisfactory.

Date: 2/23/22 Signed: _____

Jan Bau
AP2565309

ENGINE MODEL: IO-360-M1A
ENGINE S/N: L-32335-S1A
REG NO: N192DS

Aerial Banners Inc.
601 SW 77th Way
Pembroke Pines, FL 33023
ENGINE ENTRY

Date: 6/7/22
TACH: 1535.6
TTE: 1535.6

Performed 50hr oil change. Drained oil, removed oil filter, cut open to check for contaminants none found. Installed new filter AA48110-2 and serviced with 7 quarts aero shell 100w+ oil. Performed leak check and ops check no defects noted.

Garrett Rasmussen A&P 3159779

Garrett Rasmussen

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

MAINTENANCE RECORD

13

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER


MAINTENANCE RECORD ENGINE

TSN

1,579.5

SMOH

Date 10/10/2022

TTA 1,579.5

Tach. 1,579.5

CUSTOMER: RMG AVIATION LLC

Hobbs 2,028.0

REG: N192DS

MANUFACTURER

LYCOMING

MODEL: IO360-M1A

SN: L-32335-51A

PERFORMED ANNUAL INSPECTION ON THIS ENGINE IAW FAR PART 43 APPENDIX D

- Engine serviced with
- 8 Qts oil aeroshell W100
- Installed a new oil filter AA48110-2
- Replaced engine air filter FR-03504
- Cleaned, inspected and gapped spark plugs
- Open old oil filter no metal noted at this time
- Performed engine run up no leak noted at this time
- Check cylinder compression (#1) 79/80; (#2) 79/80; (#3) 77/80; (#4) 79/80

I certify that this engine was determined to be in airworthy conditions.

Bernardo Viena
A&P 364162 IA


Date 7/Mar/2023

TTA 2,053.8

Tach. 1,598.1

MAINTENANCE RECORD ENGINE

TSN

1,598.1

SMOH

CUSTOMER:

RMG Aviation LLC

Hobbs 2,053.8

REG: N192DS

MANUFACTURER

Lycoming

MODEL: IO-360-M1A

SN: L-32335-51A

- Engine serviced with
- 8 qts oil aeroshell W100 and camguard. Replaced oil filter AA48110-2.
 - Open old oil filter no metal noted at this time
 - Cleaned, inspected and gapped spark plugs
 - Performed engine run up no leak noted at this time

Wilfredo Morel
A&P 3653650

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <u>NOTE:</u> USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

BROUGHT
FORWARD



ASSC

**Aviation Specialty Services Corp.**

Tel:954-816-7399 Fax:954-942-4700 afmohamed@hotmail.com

**07/20/2023 N192DS Diamond DA-40 S/N: 40.576 TACH: 1.626.2 H.M: 2.092.4
LYCOMING: IO-360-M1A S/N: L-32335-51A TTSN: 1.626.2**

ENGINE:

Got aircraft, ground run to warm up engine. Drained oil. Took oil sample BlackStone kit. Cleaned suction oil screen O.K. Cut open old filter element and visually inspected O.K. Serviced engine with 7 qts of AeroShell W-100 and 1 pt of CamGuard oil additive with new filter element P/n: CH48110-1. Ground run and leak tested O.K. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service.

Ameer F. Mohamed
A&P: 3270645

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES, DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

ASSC



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Tel: 954-816-7399 Fax: 954-942-4700 afmohamed@hotmail.com

01/29/2024 N192DS Diamond DA-40 S/n: 40.576 AGT: 1.662.1 TACH: 36.9 H.M: 2.138.3

LYCOMING: IO-360-M1A S/N: L-32335-51A TTSN: 1.662.1 In

ENGINE:

Got aircraft, ground run to warm up engine. Drained oil. Took oil sample BlackStone kit. Cleaned suction oil screen O.K. Cut open old filter element and visually inspected O.K. Serviced engine with 7 qts of AeroShell W-100 and 1 pt of CamGuard oil additive with new filter element P/n: CH48110-1. Ground run and leak tested O.K. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service.

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05/22/2024 N192DS Diamond DA-40 S/n: 40.576 AGT: 1.689.3 TACH: 64.1 H.M: 2.173.2

LYCOMING: IO-360-M1A S/N: L-32335-51A TTSN: 1.689.3 In

ENGINE:

Got aircraft, ground run to warm up engine. Drained oil. Took oil sample BlackStone kit. Cleaned suction oil screen O.K. Cut open old filter element and visually inspected O.K. Serviced engine with 7 qts of AeroShell W-100 and 1 pt of CamGuard oil additive with new filter element P/n: CH48110-1. Ground run and leak tested O.K. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service.

Ameer F. Mohamed

A&P: 3270645

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

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	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

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Tel: 954-816-7399 Fax: 954-942-4700 afmohamed@hotmail.com

12/04/2024 N1920S Diamond DA-40 S/n: 40-575 ACTT: 1.727.2 TACH: 102.0 H.M: 2.218.9
LYCOMING IO-360-M1A S/n: L-32335-51A TTSH: 1.727.2 in 10/2005

ENGINE:
Annual inspection IAW Diamond Document # 6.02.01 Rev. 10 dated 03/26/2023. Performed pre and post ground inspection run-ins. All AD's researched through Fed Bt-Weekly 2024-24. Performed differential compression test with engine warm. Reading are: #1: 63/80, #2: 68/80, #3: 65/80 & #4: 67/80. Change oil and filter. Take oil sample BlackStone kit. Cleaned suction oil screen. Cut open old filter element and visually inspected O.K. Serviced with 7qt of AeroShell W-100, a new filter element P/n: CH48110-1 and added 1pt of CamGuard oil additive. Borechecked all 4 cylinder assy. Minor oxidation throughout cylinder walls. High tension tested all Ignition leads. Cleaned, gapped, tested and rotated all spark plugs. Inspected Slick Start system IAW Union Industries Document # L-1492 Rev. E. Lubricate IAW lubrication chart. Clean fuel screen at fuel servo. Check magneto timing to 25 degrees BTDC O.K. Both magnetos left P/n: 4347 S/n: 05021542 and right P/n: 4370 S/n: 05040635 500 hour inspection next due ACTT: 1.918.2 Magneto timing between magnetos more than 50 RPM. Removed right magneto and re-installed with new gasket and timed to engine. Ground run and ops tested O.K. Found exhaust muffler deteriorated. Had new muffler P/n: DA40-7 fabricated by PlaneXhaust Corp. (CRSK: Q6SR742J). B-blasted and visually inspected all 4 liners O.K. Replaced all 4 connection tube P/n: DA40-6 with new. Replaced 4 clamp halves P/n: A189-14. Re-installed exhaust system with new gaskets P/n: SL77611 and new hardware P/n: AN3C4A bolts, P/n: AN660-10L washers and P/n: MS21043-3 nuts. Treat engine compartment with ACF-50 corrosion inhibitor. Comply with AD 24-21-02, connecting rod assy and bushing. N/A due to engine build date. Comply with AD 15-02-07, prop governor shaft set screw. Due at eng OH. Comply with AD 15-19-07, external fuel injector lines IAW SW 3420 O.K. Comply with AD 23-09-08, features of spot-welded, multi-segment V-band couplings. Not applicable. Comply with AD 04-10-14 C1. Crankshaft gear and gear retaining bolt. Due at prop strike or next engine tear down. Washed engine and cowlings. Post inspection run-up performed satisfactory. I certify this ENGINE has been inspected in accordance with a 100 Hour/Annual inspection within the scope & detail of Diamond Document # 6.02.01 Rev. 9 dated 10/18/2021 and was determined to be in AIRWORTHY CONDITION and is APPROVED FOR RETURN TO SERVICE.

Ameer F. Mohamed A&P: 3270645

ASSC

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Tel: 954-816-7399 Fax: 954-942-4700 afmohamed@hotmail.com

03/28/2025 N1920S Diamond DA-40 S/n: 40-575 ACTT: 1.739.2 TACH: 114.0 H.M: 2.235.7
LYCOMING IO-360-M1A S/n: L-32335-51A TTSH: 1.739.2 in 10/2005

ENGINE:
Got aircraft, ground run to warm up engine. Drained oil. Took oil sample BlackStone kit. Cleaned suction oil screen O.K. Cut open old filter element and visually inspected O.K. IAW AD 24-21-02. Serviced engine with 7 qts of AeroShell W-100 and 1 pt of CamGuard oil additive with new filter element P/n: CH48110-1. Ground run and took tested O.K. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service.

Ameer F. Mohamed A&P: 3270645

CARRIED FORWARD

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAINTENANCE RECORD

15

REPAIRS, ADJUSTMENTS, MODIFICATIONS

ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

Flight Support & Logistics, LLC
7201 S Airport Road Hangar 103
Pembroke Pines, FL 33023

WWW.FSLNP.Com
Phone 1-786-357-1609



Date: 07/03/2025 Reg: N192DS Diamond DA-40 SN40-576 Tach 1756.0
Engine Lycoming IO-360-M1A SN: L-32335-51A Engine Logbook entire.

On this day investigated oil leak found all cylinder rocker covers to be sipping oil, removed valve covers, cleaned cylinder matting surfaces & coves, installed new silicone gaskets and installed original valve covers, torqued screws as per engine spec. Inspected engine and washed residual oil from engine and lower cowling. Engine is approved for return to service.

Ranko Arsic 3593566 A&P

MAINTANANCE RELEASE: The aircraft and or article identified above was repaired or inspected with reference to current mfg. service information and FARs. The work performed is airworthy and Approved for return to Service. Pertinent details are on file with Flight Support & Logistic, LLC

Flight Support & Logistics, Inc.
7411 S Airport Road
Pembroke Pines, FL 33023

WWW.FSLNP.Com
Phone 1-786-357-1609



08/29/2025 N192DS DA-40 Diamond Star Tach : 131.3 Hobbs: 2259.2
Lycoming IO-360-M1A Serial: L-32335-51A Engine Oil change

On this day drained engine oil and removed oil filter, cut oil filter open and inspected for contamination, none found. Serviced engine with 8 QTS of Aeroshell W100 engine oil and installed new Champion 48110-2 oil filter, serviced engine with CamGard. Collected oil sample to be sent to lab. Inspected oil suction screen for any contamination, none found at this time. Comply with Lycoming AD 2024-21-02.

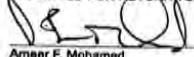
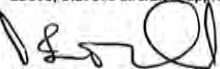
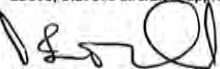
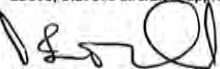
This engine is approved back to the service at this time.

Ranko Arsic 3593566 A&P

MAINTANANCE RELEASE: The aircraft and or article identified above was repaired or inspected with reference to current mfg. service information and FARs. The work performed is airworthy and Approved for return to Service. Pertinent details are on file with Flight Support & Logistic, Inc

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BROUGHT FORWARD →					Tel: 954-816-7399 Fax: 954-942-4700 afmohamed@hotmail.com 12/22/2025 N192DS Diamond DA-40 S/n: 40.578 ACT: 1.757.0 TACH: 131.8 H.M: 2.261.2 Lycoming IO-360-M1A S/n: L-32335-51A TTSN: 1.757.0 in 10/2005 ENGINE: Annual inspection IAW Diamond Document #: 6.02.01 Rev. 10 dated 03/28/2023. Performed pre and post ground inspection run-ups. All AD's researched through Fed BI-Weekly 2025-25. Performed differential compression test with engine warm. Reading are: #1: 65/80, #2: 55/80, #3: 67/80 & #4: 71/80. #2 cylinder compression tested low and coming out of exhaust port. Removed valve cover and staked exhaust valve. Compression came up to 65/80 O.K. Change oil and filter. Take oil sample Black Stone kit. Cleaned suction oil screen. Cut open old filter element and visually inspected O.K. Serviced with 7qts of AeroShell W-100, a new filter element P/n: CH48110-1 and added 1pt of Cam Guard oil additive. Bore scoped all 4 cylinder assy. Minor oxidation throughout cylinder walls. High tension tested all ignition leads. Cleaned, gapped, tested and rotated all spark plugs. Inspected Slick Start system IAW Union Industries Document #: L-1492 Rev. E. Lubricate IAW lubrication chart. Clean fuel screen at fuel servo. Check magneto timing to 25 degrees BTDC O.K. Both magneto left P/n: 4347 S/n: 06021542 and right P/n: 4370 S/n: 05040635 500 hour inspection next due ACT: 1.918.2. Comply with AD 24-21-02, connecting rod assy and bushing. N/A due to engine build date. Comply with AD 15-02-07, prop gov idler shaft set screw. Due at eng OH. Comply with AD 15-19-07, external fuel injector lines IAW SB 342G O.K. Comply with AD 23-09-09, failures of spot-welded, multi-segment V-band couplings. Not applicable. Comply with AD 04-10-14 C1, Crankshaft gear and gear retaining bolt. Due at prop strike or next engine tear down. Washed engine and cowings. Treat engine compartment with ACF-50 corrosion inhibitor. Post inspection run-up performed satisfactory. I certify this ENGINE has been inspected in accordance with a 100 Hour/Annual Inspection within the scope & detail of Diamond Document #: 6.02.01 Rev. 9 dated 10/18/2021 and was determined to be in AIRWORTHY CONDITION and is APPROVED FOR RETURN TO SERVICE.  Ameer F. Mohamed A&P: 3270645 <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td> Tel: 954-816-7399 Fax: 954-942-4700 afmohamed@hotmail.com 07/08/2026 N192DS Diamond DA-40 S/n: 40.578 ACT: 1.779.9 TACH: 154.7 H.M: 2.292.7 LYCOMING: IO-360-M1A S/N: L-32335-51A TTSN: 1.779.9 in 10/2005 ENGINE: Got aircraft, ground run to warm up engine. Drained oil. Took oil sample Black Stone kit. Cleaned suction oil screen O.K. Cut open old filter element and visually inspected O.K. IAW AD 26-04-11, connecting rod failure. No bronze metal found. Serviced engine with 7 qts of AeroShell W-100 and 1 pt of Cam Guard oil additive with new filter element P/n: CH48110-1. Ground run and leak tested O.K. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service.  Ameer F. Mohamed A&P: 3270645 <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>CARRIED FORWARD</td> </tr> <tr> <td>TOTAL THIS PAGE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL FROM PREVIOUS SUMMARY</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL SINCE MFG.</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </td></tr>						Tel: 954-816-7399 Fax: 954-942-4700 afmohamed@hotmail.com 07/08/2026 N192DS Diamond DA-40 S/n: 40.578 ACT: 1.779.9 TACH: 154.7 H.M: 2.292.7 LYCOMING: IO-360-M1A S/N: L-32335-51A TTSN: 1.779.9 in 10/2005 ENGINE: Got aircraft, ground run to warm up engine. Drained oil. Took oil sample Black Stone kit. Cleaned suction oil screen O.K. Cut open old filter element and visually inspected O.K. IAW AD 26-04-11, connecting rod failure. No bronze metal found. Serviced engine with 7 qts of AeroShell W-100 and 1 pt of Cam Guard oil additive with new filter element P/n: CH48110-1. Ground run and leak tested O.K. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service.  Ameer F. Mohamed A&P: 3270645 <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>CARRIED FORWARD</td> </tr> <tr> <td>TOTAL THIS PAGE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL FROM PREVIOUS SUMMARY</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL SINCE MFG.</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr>						CARRIED FORWARD	TOTAL THIS PAGE						TOTAL FROM PREVIOUS SUMMARY						TOTAL SINCE MFG.					
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