

# AIRCRAFT TECHNICAL LOGS

## Section 3. ENGINE

# ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD →			0	0
<i>ENGINE INSTALLED NEW ON DA 40 SN#40.612</i>				
Engine installation inspected I.A.W. Diamond Aircraft Industries Inc. DA 40 W.I.S. Rev: G 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				
JAN 18 2006			5.0	
<i>HOURS BROUGHT FORWARD</i>				
Apr 15 2006	16	4	16	4
23.61 to bbs NL22DS SN#40.612				
END				
TOTAL THIS PAGE				
TOTAL FROM PREVIOUS SUMMARY				
TOTAL SINCE MFG.				
CARRIED FORWARD				

# MAINTENANCE RECORD

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

SIGNATURE

LICENCE  
NUMBER

DA  
Q 42

DA  
Q 42

923/57734  
Chal Jones

Pending

Replaced 100Ω Resistor due to "Alternator Fail" on EFIS  
display. Item # 43F100-05 installed IAW AC43-13 between  
"AUX" pole on Alternator & EFIS display. AC Run up  
discrepancy corrected. END

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.

# 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 →

**ocean air**  
flight services, inc.

170 Aviation Way (831) 763-0290  
Watsonville, CA 95076 KWVI

Date: 8/11/06 N622DS S/N: 40.612 Tach: 53.6 Eng S/N: L-32470-51A

Changed oil and filter, serviced with 8 qt. Aeroshell 15W50 and CH48110-1 filter. Oil sample taken for analysis, no unusual contaminants in filter. Rerouted sparkplug leads at rear of #3 cylinder. Tightened exhaust clamps. Tightened oil pressure switch fitting on oil pressure relief valve housing. Run up and leak check ok.

I certify that the above work was performed in accordance with current regulations of the FAA and is approved for return to service.

Dudley Clark

*Dudley Clark*

AP549580786IA

Oct 28 '06

83

6

83

6

14035 111.1 CHANGE OIL FOR AEROSHELL 15W50  
INSTALL FAST DRAIN OIL PLUG  
RUN UP & CHECK - OK M. LEWIS

**ocean air**  
flight services, inc.

170 Aviation Way (831) 763-0290  
Watsonville, CA 95076 KWVI

Date: 2/1/07 N622DS S/N: 40.612 Tach: 97.8 Eng S/N: L-32470-51A Eng TT: 97.8  
SMOH: N/A Prop S/N: CH39442B Prop TT: 97.8

Completed annual inspection using Diamond DA40 series checklist meeting requirements of FAR 43, Appendix D.

Compression test: #1 79/80, #2 78/80, #3 79/80, #4 79/80.

Changed oil and filter, serviced with 8 qt. Aeroshell 15W50 and CH48108-1 filter, inspected filter and screen, no unusual contaminants noted. Oil sample taken for analysis.

Replaced gasket at dipstick tube base.

Complied with AD2002-26-01 (1/31/03) Lycoming fuel injection line inspection, per para (c), no defects noted, next due 197 tach or 2/2008.

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

Dudley Clark

*Dudley Clark*

AP549580786IA

ENGINE MODEL:  
IO-360-M1A  
ENGINE S/N: L-32470-51A  
REG NO 622DS  
WORK ORDER: 14142

**AIR WEST**  
AIRCRAFT ENGINES

Air West Aircraft Engines

Repair Station No. TV3R881L  
670 Airport Blvd.  
San Carlos, CA 94070  
Phone: (650) 593-8403

DATE: 8/3/2007  
A/C TSN 179.1  
ENG TT 179.1  
TACH 179.1

## Engine Entries

Inspected Lycoming IO-360-M1A, S/N L-32470-51A due to prop strike in accordance with Lycoming Service Letter L163C and latest revision Lycoming Mandatory Service Bulletin MSB533. Complied with AD 2004-10-14 in accordance with Lyc SB475C. Engine disassembled cleaned, inspected and reassembled referencing latest revision Lycoming Overhaul Manual part No 60294-7 with new main & rod bearings, new rod bolts & nuts, new seals & gaskets. Engine serviced with Aeroshell 100 oil and test ran.

The component(s) and/or discrepancy (ies) identified on this work order, to the above mentioned aircraft were repaired and inspected in accordance with current Federal Air Regulations and were found airworthy for return to service.

DATE: 8/3/2007

SIGNED:

*Abdi Anvari*

Work Order: 14142

Abdi Anvari  
Certified Repair Station No. TV3R881L

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TOTAL THIS

TOTAL F  
PREVIOUS SL

TOTAL  
SINCE M



# MAINTENANCE RECORD

2

REPAIRS, ADJUSTMENTS, MODIFICATIONS

SIGNATURE

LICENCE  
NUMBER



Sonoma Jet Center  
6000 Flightline Dr.  
Santa Rosa, CA 95403

Date: 8/28/2007; Aircraft: N622DS; Type: DIAMOND; S/N: 40.612; Hobbs: 179.10; Total Time: 179.10

R&R engine per Diamond DA40 MM for prop strike inspection. Run-up and leak check performed no defects noted.

  
Corey Wheeler A&P 563064190



Sonoma Jet Center  
6000 Flightline Dr.  
Santa Rosa, CA 95403

Date: 12/13/2007; Aircraft: N622DS; Tach: 165.50

Changed oil Aeroshell 15W-50, filter Ch48110-1 and took oil sample cut open filter no metal noted.

  
Corey Wheeler A&P 563064190



Sonoma Jet Center  
6000 Flightline Dr.  
Santa Rosa, CA 95403

Date: 3/05/2008; Aircraft: N622DS; Type: DIAMOND; S/N: 40.612; Tach: 186.00; Total Time: 186.00; Engine - Type: IO-360-M1A, S/N: L-32470-51A, Time: 186.00

Performed Annual inspection per Diamond aircraft inspection form and FAR43 appendix D. Comp test #1 75, #2 74, #3 76, #4 76, change oil Aeroshell 15W-50 and filter CH48110-1, cleaned gapped and installed spark plugs, check mag timing. Run-up and leak check performed.

I certify that this engine has been inspected in accordance with an ANNUAL inspection and was found to be in an airworthy condition.

  
Corey Wheeler IA 563064190

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.

# ENGINE SERVICE AND

BRO  
FOR



Sonoma Jet Center  
6000 Flightline Dr.  
Santa Rosa, Ca. 95403

Date: 3/19/2009; Aircraft: N622DS; Type: Diamond; Total Time: 213.70; Engine - Type:  
IO-360-M1A, S/N: L-32470-51A, Time: 213.70, SMOH: 213.70

Performed Annual inspection per Diamond inspection form and FAR43 appendix D. Comp. test #1 80, #2 78, #3 79, #4 79, checked timing, changed oil Aeroshell 15W-50 and filter CH48110-1 cut open filter no metal noted, cleaned and gapped plugs, run-up and leak check preformed.

I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition

Corey Wheeler IA 563064190



Sonoma Jet Center  
6000 Flightline Dr.  
Santa Rosa, Ca. 95403

Date: 4/26/2010; Aircraft: N622DS; Type: Diamond; Hobbs: 320.90; Engine - Type:  
IO-360-M1A, S/N: L-32470-51A, Time: 320.90, SMOH: 320.90

Performed Annual inspection per DA40 inspection form and FAR43 appendix D. Comp. #1 77, #2 78, #3 77, #4 76, changed oil Aeroshell 15W-50 and filter CH48110-1, cleaned and gaped plugs, checked timing, serviced air filter, AD2008-14-07 C/W by insp per MSB 342E fuel injection lines next due 4/11 or 420.9, run-up and leak check preformed no defects noted. I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition

Corey Wheeler IA 563064190



Sonoma Jet Center  
6000 Flightline Dr.  
Santa Rosa, Ca. 95403

Date: 5/09/2011; Aircraft: N622DS; Type: Diamond; Hobbs: 354.20; Engine - Type:  
IO-360-M1A, S/N: L-32470-51A, Time: 354.20, SMOH: 354.20

Performed Annual inspection per Diamond insp form and FAR43 appendix D. Comp. test #1 76, #2 77, #3 78, #4 77, changed oil Aeroshell 15W-50 and filter CH48110-1 cut open filter no metal noted checked suction screen, cleaned, gapped and reinstalled spark plugs, check timing, cleaned filter, press tested exhaust system, run-up and leak check preformed no defects noted.

I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition

Corey Wheeler IA 563064190

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TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		



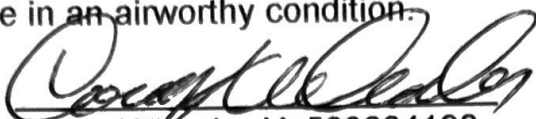


**Sonoma**  
JET CENTER

**Sonoma Jet Center**  
6000 Flightline Dr.  
Santa Rosa, Ca. 95403

Date: 6/13/2012; Aircraft: N622DS; Type: Diamond; S/N: 40.612; Hobbs: 435.40; Engine - Type: IO-360-M1A, S/N: L-32470-51A, Time: 435.40, SMOH: 435.40

Performed Engine Annual Inspection per Diamond inspection form and FAR43 appendix D. Comp #1 77, #2 77, #3 76, #4 75, changed oil Aeroshell W100 and filter CH48110-1 cleaned suction screen, cleaned air filter, checked controls, run-up and leak check performed. I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

  
Corey Wheeler IA 563064190

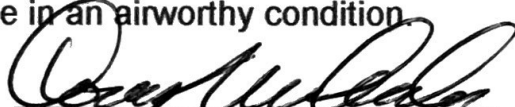


**Sonoma**  
JET CENTER

**Sonoma Jet Center**  
6000 Flightline Dr.  
Santa Rosa, Ca. 95403

Date: 7/22/2013; Aircraft: N622DS; Type: Diamond; S/N: 40.612; Tach: 420.10; Total Time: 420.10; Engine - Type: IO-360-M1A, S/N: L-32470-51A, Time: 420.10

Performed Engine Annual Inspection per FAR43 appendix D. Comp. #1: 77/80, #2: 77/80, #3: 76/80, #4: 78/80, changed oil and filter cleaned suction screen, installed Ch48110-1, serviced engine with 7 qts. Aeroshell 100W and 10.5 ounces of CamGuard, checked mag timing per Slick Start Manual, cleaned induction air filter and reinstalled, cleaned, gapped, and tested spark plugs, reinstalled with new M-674 gaskets, run-up and leak check performed. I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

  
Corey Wheeler IA 563064190

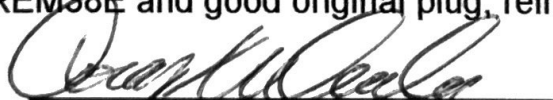


**Sonoma**  
JET CENTER

**Sonoma Jet Center**  
6000 Flightline Dr.  
Santa Rosa, Ca. 95403

Date: 8/21/2013; Aircraft: N622DS; Type: Diamond; S/N: 40.612; Tach: 443.90; Total Time: 443.90; Engine - Type: IO-360-M1A, S/N: L-32470-51A, Time: 443.90

Removed top cowl and removed both #2 cyl spark plugs, cleaned and tested 1 plug failed, installed 1 new plug REM38E and good original plug, reinstalled cowl.

  
Corey Wheeler A&P 563064190

BROUGHT  
FORWARD
**Sonoma**  
JET CENTER

**Sonoma Jet Center**

 6000 Flightline Dr.  
Santa Rosa, Ca. 95403

Date: 8/26/2013; Aircraft: N622DS; Type: Diamond; S/N: 40.612; Engine - Type: IO-360-M1A, S/N: L-32470-51A

Found #1 bottom plug fouled. Cleaned and tested plug, found spark a bit weak. Measured resistance in plug and found higher than normal resistance. Replaced plug with new Champion REM-38E.

  
John A. Clements A&P 3052522

**Sonoma**  
JET CENTER

**Sonoma Jet Center**

 6000 Flightline Dr.  
Santa Rosa, Ca. 95403

Date: 2/12/2014; Aircraft: N622DS; Type: Diamond; S/N: 40.612; Tach: 468.40; Total Time: 468.40; Engine - Type: IO-360-M1A, S/N: L-32470-51A, Time: 468.40

Changed oil Aeroshell W100 with CamGuard and filter CH48110-1, took oil analysis sample, run-up and leak check performed.

  
Corey Wheeler A&P 563064190

**Sonoma**  
JET CENTER

**Sonoma Jet Center**

 6000 Flightline Dr.  
Santa Rosa, Ca. 95403

Date: 8/30/2013; Aircraft: N622DS; Type: Diamond; S/N: 40.612; Tach: 443.90; Total Time: 443.90; Engine - Type: IO-360-M1A, S/N: L-32470-51A, Time: 443.90

Pulled top cowl and pulled both mags for 500 Hr. inspection. Installed new REM38E spark plugs in all cylinders not previously changed.. Reinstalled mags after 500 hr. inspection with new gaskets. Timed mags to engine and test ran with 100 RPM drop noted during mag check. No defects observed.

  
John A. Clements A&P 3052522

TOTAL THIS PAGE

CARRIED FORWARD

TOTAL FROM

# MAINTENANCE RECORD

4

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

SIGNATURE

LICENCE  
NUMBER



**Sonoma**  
JET CENTER

**Sonoma Jet Center**

6000 Flightline Dr.  
Santa Rosa, Ca. 95403

Date: 6/13/2014; Aircraft: N622DS; Type: Diamond; S/N: 40.612; Tach: 507.50; Total Time: 507.50; Engine - Type: IO-360-M1A, S/N: L-32470-51A, Time: 507.50; Prop - Type: HC-C2YR-1BF, S/N: CH41810B

Performed an annual inspection on the engine per FAR 43 Appendix D and Diamond Maintenance Checklist DA-40. Complied with compression check: #1) 76/80, #2) 77/80, #3) 77/80, #4) 76/80. Drained oil and removed and inspected oil filter. Installed new CH48110-1 filter and saftied. Serviced engine with 8 Qts. Aeroshell W100 and 12.8 ounces of CamGuard. Removed heater shroud and visually inspected for cracks and exhaust leaks. Reinstalled exhaust shroud and heater duct. Checked mag timing: retimed both mags to 25 degrees BTDC. Cleaned, gapped, and tested spark plugs; reinstalled with new M 674 gaskets. Adjusted mag timing to 25 degrees BTDC.

I have inspected this engine in accordance with an annual inspection and have found it to be in airworthy condition.

John A. Clements A&P 3052522 IA

Date: 9.12.14; Aircraft: N622DS; Type: Diamond DA40; S/N 40.612; Tach: 560.8

Total Time: 560.8; Engine-Type IO360-M1A, S/N: L-32470-51A

Changed oil Aeroshell W100 and installed filter CH48110-1 and saftied,

Cut open and inspected filter, no metal found

Willard K. Rice III, Owner PPL 3580477

MAXIMUM HOURS BETWEEN OVERHAULS

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

BROUGHT FORWARD →



MurfreesboroAviation.com Phone: 615-494-1000 K.M.B.T  
 Make: DIAMOND INC Model: DA 40  
 Date: 02/04/15 S/N: 40.612  
 Engine Log Type: LyclO360M1A  
 Total Time: 610.9



Reg. No.: N622DS  
 Tach Time: 610.90  
 S/N: L-32470-51A  
 SOH:

Replaced broken muffler shroud bracket with new Diamond p/n D41-7806-20-01. Performed compression test warm Cyl.#1-78/80, Cyl.#2-78/80, Cyl.#3-77/80, Cyl.#4-79/80. Removed engine oil and filter. Cut open and inspected filter, no metal found. Serviced engine with 8 quarts Aeroshell 15W50 oil and installed new filter p/n AA48110-2. Cleaned, gapped and rotated spark plugs. C/W AD 2011-26-04 fuel lines by inspection. No defects noted. Next due tach, 710.9. I certify that this engine has been inspected in accordance with an annual inspection using the Diamond AMM checklist, was found to be in an airworthy condition and is approved for return to service.

R. M. Marshman *R Marshman* IA 2806218

Date: 2/24/2015, Aircraft: N622DS, Type: DA40, S/N: 40.612 Tach: 616.3, Hobbs: 810.1  
 Lycoming IO-360-M1A, s/n: L-32470-51A  
 Performed compression test with all cylinders in mid 70's. Borescoped cylinders with all normal observations. Removed all sparkplugs and replaced with new (Tempest UREM38E's). Ops checks good. The aircraft, airframe, aircraft 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. Pertinent details of the repair are on file at this repair station under Shop Order No: 21771, Dated: 24-Feb-2015.

SIGNED: *Michael V. Roberts*  
 Inspector for FAA CRS PPR448M  
 Triad Aviation, Inc. 3439 South Aviation Drive, Burlington, NC 27215  
 336-227-1467

Date: 7.18.15; Aircraft: N622DS; Type: Diamond DA40; S/N 40.612; Tach: 660.8  
 Total Time: 660.8; Engine-Type IO360-M1A, S/N: L-32470-51A  
 Changed oil Aeroshell 15W50 and installed filter CH48110-1 and saftied,  
 Cut open and inspected filter, no metal found  
*Willard K. Rice III*  
 Willard K. Rice III, Owner PPL 3580477

TOTAL THIS			
TOTAL FROM PREVIOUS SUMMARY			
TOTAL SINCE MFG.			



N622DS  
Tach: 709.0

IO360-MIA 1E10 s/n L32470-51A

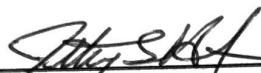
February 25, 2016  
SMOH:709.0

Drained aircraft engine oil, removed oil filter replaced with p/n # AA48110-1 and serviced with Aeroshell 15W50 oil . Checked oil filter for particles, none noted. Replaced alternator belt with new p/n 37A19773-376 Cleaned and gapped and reinstalled spark-plugs. Engine ran and leak checked , no leaks noted  
Compressions :1- 76/80 2-78/80 3-78/80 4-78/80 All ad's current as of this date.  
See attached AD Listing.

I certify this engine has been inspected with a 100hr insp in accordance with the Manufactures Maintenance Procedures and Federal Aviation Regulations and is approved for return to service for the above work accomplished.

- END OF ENTRY-

Signed

  
Timothy S. Hart

Date: February 25, 2016

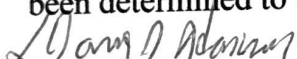
AP 3403977

N622DS  
Tach: 709.0

IO360-MIA 1E10 s/n L32470-51A

February 25, 2016  
SMOH: 709.0

I certify this aircraft engine has been inspected IAW an annual inspection., and has been determined to be in airworthy condition.



David Hanson AP1955437IA

Date: 10.04.16; Aircraft: N622DS; Type: Diamond DA40; S/N 40.612; Tach: 757.2

Total Time: 757.2; Engine-Type IO360-M1A, S/N: L-32470-51A

Changed oil Aeroshell 15W50 and installed filter CH48110-1 and saftied,

Cut open and inspected filter, no metal found

Cleaned, gapped, and rotated plugs

 10.4.16

Willard K.Rice III, Owner PPL 3580477

# ENGINE SERVICE AND

N622DS  
Tach: 797.0

IO360-MIA 1E10 s/n L32470-51A

March 24, 2017  
SMOH:797.0

Drained aircraft engine oil, removed oil filter replaced with p/n # CH48110-1 and serviced with Aeroshell 15W50 oil. Checked oil filter for particles, none noted. Cleaned and gapped and reinstalled spark-plugs. Engine ran and leak checked, no leaks noted. Compressions: 1- 76/80 2-78/80 3-78/80 4-78/80 All ad's current as of this date. See attached AD Listing. Complied with Lycoming SB 612(oil level gage) I certify this engine has been inspected with a 100hr insp in accordance with the Manufactures Maintenance Procedures and Federal Aviation Regulations and is approved for return to service for the above work accomplished.

- END OF ENTRY -

Signed

*Timothy S. Hart*  
Timothy S. Hart

Date: March 24, 2017

AP 3403977

N622DS  
Tach: 797.0

IO360-MIA 1E10 s/n L32470-51A

March 24, 2017  
SMOH: 797.0

I certify this aircraft engine has been inspected IAW an annual inspection., and has been determined to be in airworthy condition.

*Mark Robles*

Mark Robles AP2653131IA



2601 Cessna Lane NW Kennesaw, GA 30144 770-427-4954  
LOG ID# 18869 09-June-2017 WO# 17237  
N622DS S/N 40.612 DIAMOND DA40  
HOBBS 1038.8 TACH 811.7

Pg 1 / 1

\*\*\* ENGINE LOG ENTRY \*\*\*

SEE AIRCRAFT LOG FOR AD'S COMPLIED WITH DURING THIS PREBUY EVALUATION. WASHED AND LEAK CHECKED ENGINE - NO LEAKS NOTED. DRAINED OIL. CHECKED AND REPLACED OIL FILTER-NO METAL NOTED. CLEANED AND GAPPED SPARK PLUGS. SERVICED WITH AEROSHELL 15W50 OIL & FILTER P/N AA48110. WASHED ENGINE, RAN ENGINE-ALL CHECKS NORMAL. NO OIL LEAKS NOTED. PERFORMED COMPRESSION CHECK: #1 72/80 #2 74/80 #3 78/80 #4 74/80.

MAINTENANCE RELEASE.

THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR WORK PERFORMED UNDER WO# AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

Signed *[Signature]* FOR DLK AVIATION, INC.

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM  
PREVIOUS SUMMARY

TOTAL  
SINCE MFG.



7-20-2017 N622D\$ DA40 SN: 40612 T: 833.7/H: 1077.0

Airframe/Engine Log Entry

Completed with 60hr oil change/service. Removed old Filter  
Installed New Filter PN: 48110-2. Ran Aircraft. No Leaks.  
R.T.S.

Date: 7-20-2017 Tach: 0833.7

Changed oil and oil filter at this time. Cut open filter.

- Clean - . Cleaned engine.

Added 8 qts of oil 15W-50 aeroshell

Ran engine-no oil leaks from oil filter or Sumpdrain.

Signature: [Signature] ADP3556663

Charles E. Cochran

8-30-2017 DA-40 N622D\$ SN: 40612 T: 879.1/H: 1136.2

Engine Log Entry

①

Date: 8-30-2017 Tach: 0879.1

Changed oil and oil filter at this time. Cut open filter.

- Clean - . Cleaned engine.

Added 8 qts of oil 15W-50 aeroshell

Ran engine-no oil leaks from oil filter or Sumpdrain.

Signature: [Signature] ADP3556663

Charles E. Cochran

② Removal and Replaced #1 Cylinder Intake Gasket. Due to Large Fuel Leak. Installed New Gasket P/N: 5171973. Oper/Good - End -

[Signature] ADP3556663  
Charles E. Cochran

9-27-2017 DA-40 N622D\$ SN:40612 T: 914.3 H: 1179.1  
Engine Log Entry

C/w 50hr oil Service. Ran Aircraft No Leaks.

Date: 9-27-2017 Tach: 0914.3

Changed oil and oil filter at this time. Cut open filter.

- Clean - . Cleaned engine.

Added 8 qts of oil 15W-50 aeroshell

Ran engine-no oil leaks from oil filter or Sumpdrain.

Signature: [Signature] AP 3556663  
Charles Lee Cochran

Date: 10-18-2017 Tach: 965.1

Changed oil and oil filter at this time. Cut open filter.

- clean - . Cleaned engine.

Added 8 qts of oil 15W-50 aeroshell

Ran engine-no oil leaks from oil filter or Sumpdrain.

Signature: [Signature] AP 3511163

# MAINTENANCE RECORD

7

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

SIGNATURE

LICENCE  
NUMBER

NOV-21-2017 hobbs-1278.3 Tach=996.4

① Drained Engine oil, removed suction screens and inspected cut filter. No contamination. Reserviced with new Tempest CH48110-2 filter & 8 quarts of Aeroshell 15W-50. Leak and ops check OK. end. Joseph D. Devin

A&P-3149203

Jan-21-Jan-3-2018 hobbs-1332.7 Tach-1043.0 HRS

Drained engine oil, removed suction screens and inspected cut filter. No contamination. reserviced with new tempest CH48110-2 filter & 8 quarts of Aeroshell 15W-50. Leak and ops check OK. end

Andrew Davis  
A&P-3843788

Feb 9, 2018 hobbs-1409.9 Tach-1071.4 HRS

Drained engine oil, removed suction screen and inspected cut filter. No contamination. reserviced with new tempest CH48110-2 filter & 8 quarts of Aeroshell 15W-50. Leak and ops check OK. end

Andrew Davis

A&P-3843788

5-11-2018 Tach=1107.0

Time Since NE# 1107.0 TT-1107 ① Drained Engine oil cleaned All screens & checked Filter for contamination. Reserviced with 9 quarts of Aeroshell 15W-50 and new Champion CH48110-1 oil filter. ② Compression #1  $\frac{7}{80}$  #2  $\frac{7}{80}$  #3  $\frac{7}{80}$  #4  $\frac{7}{80}$  ③ Timings checked. ④ Installed new Alternator belt. ⑤ Cleaned gapped and rotated spark plug. ⑥ Cleaned Fuel injectors. ⑦ Complied with AD 15-19-07 by visual inspection Found Airworthy next due at Annual inspection. ⑧ See AD report for detailed AD information. ⑨ All engine controls checked for rigging & proper operation. ⑩ I certify this engine has been inspected Z.A.W. F.A.R 43 Appendix(D) AN Annual inspection and was found to be in Airworthy condition at time of inspection Joseph D. Devin A&P 3149203 ZA

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 →					
6-21-18	TT=	1116.2	Hobbs=	1466.1	① Removed both magnetos #4347 For 500 hour. 500 hour complete with distributor blocks changed magnetos. ② All seals changed on fuel pipes. ③ Fuel System removed and shipped to D&G Supply for repair. ④ Engine was run rigged & Leak end <i>Joseph A. Davis</i> A&P 3149203
7-17-2018	TT=	1170.8	Hobbs=	1525.7	① Drained Engine oil cleaned all screens & install new CH48110-2 and installed 8 quarts Aeroshell 15W-50 Aeroshell. OPS CHK OK. <i>Joseph A. Davis</i> A&P 3149203
9-29-2018	TT=	1214.1	Hobbs=	1576.4	Drained engine oil, cleaned all screens & install new CH48110-2 and installed 8 quarts aeroshell 15W-50, leak & OP's check, OK. <i>Andrew Davis</i> removed & installed new co-pilot position light & <i>Andrew Davis</i> A&P-3843788
12-29-2018	Hobbs=	1624.2	Tach=	1254.8	Drained Engine oil & inspected Screens For contamination. Installed new CH48110 oil filter and re-filled with 8 quarts of Aeroshell 15W-50. LEAK & OPS CHK OK. <i>Joseph A. Davis</i> A&P 3149203
3-29-2019	Hobbs=	1684.4	Tach=	1308.3	Drained engine oil, cleaned all screens & installed new CH48110-2 and installed 8 quarts 15W-50, leak & OP's check, OK. <i>Andrew Davis</i> A&P-3843788
TOTAL THIS PAGE					CARRIED FORWARD
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

# MAINTENANCE RECORD

8

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

SIGNATURE

LICENCE  
NUMBER

May 3, 2018 Hobbs=1734.8 Tach=1353.8

Drained engine oil, removed and cut old filter; clean. installed new  
ch48-110-1 filter & 8 quarts of aeroshell 15W-50, leaked  
OPS check, OK.

*John Davis*  
A&P-3843788-

10-23-19 Tach=1420.5 TT=1420.5 Hobbs=1806.2 ① Removed #3 cylinder for  
no compression. Both seats were lapped & Exhaust valve was replaced with  
new valve. Leak & OPS check OK. ② Drained Engine oil All screens checked  
for contamination and new champion filter & Aeroshell 15-50W was  
added. ③ I certify this engine was inspected I.A.W. FAR 43 Appendix(D)  
An Annual inspection and was found to be in Airworthy condition at  
time of inspection. See AD report for detailed AD information.

— end

*Joseph S. Davis*  
A&P 3149203 -A

10-23-2019 ~~10-23-2019~~ Tach=1420.5 ① I certify this propeller was  
inspected I.A.W. An Annual inspection and was found to be in Air-  
worthy condition at time of inspection. See AD report dated 10-2019  
for detailed AD information. — end

*Joseph S. Davis*  
A&P 3149203 -A

11-26-2019 Hobbs. 1880.6  
Tach. 1485.3

Drained Engine oil and Inspected Screens  
for Contamination. Installed AA48110-2  
oil filter and refilled with 8 quarts  
of Aeroshell 15W-50. Leak and OPS  
check OK.

John *W* Owner  
Commercial Pilot #391887

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 →					
12-19-2019					Drained Engine oil and Inspected Screens for Contamination. Installed AA48110-2 oil filter and refilled with 8 quarts of Aeroshell 15W-50. Leak and OPS check OK. John L. Owner Commercial Pilot #3918787
	Hobbs: 1925.6				
	Tach: 1525.6				
03-01-2020	Hobbs: 1989.3				Drained Engine oil and Inspected Screens for Contamination. Installed AA48110-2 oil filter and refilled with 8 quarts of Aeroshell 15W-50. Leak + OPS check OK. John L. Owner Commercial Pilot #3918787
	Tach: 1582.2				
03-04-2020	Hobbs: 1999.1				Complied with AD 15-19-07 by visual inspection, found to be airworthy next due 1699.9 hrs AIP 374843
	Tach: 1589.9				
05-14-2020	Hobbs: 2079.1				removed & installed new primary fuel line between Fuel Pump & Fuel Servo with Stratoflex 111, removed & installed cyl. 2 Toralite gasket. leak & OPS check OK. Returned to Service. Andrew Davis 3843788
	Tach: 1618.3				
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					
CARRIED FORWARD					

# MAINTENANCE RECORD

9

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

SIGNATURE

LICENCE  
NUMBER

05-26-2020 Hobbs: 2049.5 Tach: 1631.3

Drained Engine oil and Inspected  
Screens for Contamination. Installed  
AA 48110-2 oil filter and refilled  
with 8 quarts of Aeroshell 15W-50.  
Leak + OPS check OK.

*John Cole* Owner  
Commercial pilot #3918787

6-13-20 Hobbs = 2064.9 Tach = 1642.8

① Replaced Standby battery pack PIN# D41-2560-  
-93-00. Replacement next due. 6-2023. - end

*Joseph Davis*  
AIP 3149203

6-13-20 Hobbs 2064.9 Tach = 1642.8

① Installed new stratorflex Line between  
Fuel servo and spider. ② Installed new Fuel  
pump PIN# AF-15473 SIN# ODG823. - end

*Joseph Davis*  
AIP 3149203

## ENGINE

Registration	N622DS	Tach	1663.0
Make	Lycoming	AFTT	1663.0
Model	IO-360-M1A		



Replaced cylinder #3 inner and outer exhaust valve springs with serviceable parts. Replaced cylinder #3 fuel injector  
line with serviceable PN: LW-12098-0-170. Operational ground run and leak check satisfactory. \*\*\*END\*\*\*

Signature *John Cole*  
John Cole Givens AP37402121A

Date 08/14/2020

MAXIMUM HOURS BETWEEN OIL

# 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 →					
09-28-2020					Drained Engine oil and
					Inspected Screens for
					Contamination Installed
					AA48/10-2 oil filter and
					refilled with 8 quarts
					of Aerashell 15W-50.
					Leak + ops check OK.
					John L. Owner
					Commercial Pilot #3918787

## N622DS Engine logbook entry 10-15-2021 Engine TT1688.4 TSMO - 0

Engine was removed for prop strike inspection, Lycoming MSB # 475C was complied with as directed. The crankshaft connecting rods were sent to Rick Romans for inspection. The engine case was shipped to Divco for prop strike inspection and repairs. It was decided by the owner we would tag all remaining parts and perform an engine overhaul. The crankshaft was ground M.003 and Nitrided. A new oil pump housing and impeller gears were installed. Oil pump body housing PN# 78531, Oil pump impeller kit #05K19423-S. Lycoming crankshaft S/N # R55612-1, Lycoming connecting rods PN# LW11750. Lycoming Tappet Bodies Model # 72877, S/N RC904. Lycoming camshaft model # LW 18843 S/N R 55612-2 installed. Prop governor was shipped to Texas aircraft propellers for prop strike inspection and overhaul. Magnetos were disassembled and inspected for damage. Left hand Magneto was replaced with Surefly ignition module. Surefly ignition module was installed I.A.W. STC# SA04378CH and engine STC# SE4349CH. Aircraft and engine are included in approved model list. A copy of approved model list and flight manual supplements, I.C.A. Checklist were placed into permanent record. A 337 was placed in aircraft records and sent to Oklahoma City, OK FAA. A new crankshaft gear was installed with new lock and bolt as outlined in MSB#475C. Engine was run Ops check OK. Four new superior millennium cylinders were installed. A factory Hartzell propeller was installed model # HC-C2YR-1BFP/F7497, S/N# N55510B. Engine was overhauled I.A.W. overhaul manual PN# LMO(L) IO-360-MIA, AD2004-10-14 was complied with as directed by AD. Next inspection due after prop strike as outlined. See AD report dated 10-15-2021 for detailed AD information. I certify the engine has been I.A.W. FAR. 43 appendix (D) an annual inspection and was found to be in airworthy condition at time of inspection.

Sign Joseph J. Davis

A&P 3149203 IA





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

DATE: MAY 10, 2023 | LYCOMING IO-360-M1A | S/N: L-32470-51A | REG: N622DS  
TACH: 1696.4 HRS. TTE: 1696.4 HRS. TSMOH: 8.0

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMOND AIRCRAFT DA40 AMM, INSPECTION CHECKLIST, AND LYCOMING ENGINE REPAIR MANUAL.

CHECKED AD'S THROUGH BI-WEEKLY 2023-10

**AD 15-19-07** 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). 79/80, 2). 79/80, 3). 80/80, 4). 79/80.

PERFORMED OIL CHANGE.

CUT OIL FILTER, NO METAL NOTED.

COLLECTED OIL SAMPLE FOR ANALYSIS TO BE COMPLETED BY BLACKSTONE LABORATORIES.

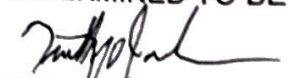
SERVICED ENGINE WITH EIGHT QUARTS PHILLIPS 66 X/C AVIATION OIL 20W-50.

REPLACED OIL FILTER, P/N:(AA48110-2).

REMOVED AND REPLACED PROPELER GOVENOR.

GROUND RAN ALL ENGINE PERAMETERS NORMAL, NO LEAKS NOTED.

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

  
TIMOTHY D JORDAN

A&P/IA 3264477

# MAINTENANCE RECORD

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

SIGNATURE

LICENCE  
NUMBER

4/21/2022

N622DS, Removed propeller governor Ontic P/N C210776, s/n SN00342 per owner request for maintenance. Reference Diamond DA40 AMM 62-20-00 Rev. 9, Plane Spec LLC 38-4050682  
Thomas Baxter AP 2829929  
*Thomas Baxter*

8/15/2022

N622DS, Installed owner provided prop governor Ontic P/N C210776, s/n SN00342 reference Diamond D40 AMM 61-20-00 Rev. 9. Owner advised to verify proper operation of unit prior to flight.  
Plane Spec LLC 38-4050682  
Thomas Baxter AP 2829929  
*Thomas Baxter*



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

DATE: MAY 10, 2023 | LYCOMING IO-360-M1A | S/N: L-32470-51A | REG: N622DS  
TACH: 1696.4 HRS. TTE: 1696.4 HRS. TSMOH: 8.0

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMOND AIRCRAFT DA40 AMM, INSPECTION CHECKLIST, AND LYCOMING ENGINE REPAIR MANUAL.

CHECKED AD'S THROUGH BI-WEEKLY2023-10

**AD 15-19-07** 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). 79/80, 2). 79/80, 3). 80/80, 4). 79/80.

PERFORMED OIL CHANGE.  
CUT OIL FILTER, NO METAL NOTED.  
COLLECTED OIL SAMPLE FOR ANALYSIS TO BE COMPLETED BY BLACKSTONE LABORATORIES.  
SERVICED ENGINE WITH EIGHT QUARTS PHILLIPS 66 X/C AVIATION OIL 20W-50.  
REPLACED OIL FILTER, P/N:(AA48110-2).  
REMOVED AND REPLACED PROPELER GOVENOR.  
GROUND RAN ALL ENGINE PARAMETERS NORMAL, NO LEAKS NOTED.

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

*Timothy D Jordan*  
TIMOTHY D JORDAN

A&P/IA 3264477

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.

011-05-2023 (05-31-2023)

MAKE Diamond  
MODEL DA40  
S/N 40 612  
REG NO N622DS  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 011-05-2023  
DATE 05-31-2023  
A/C TT 1734.3  
A/C Tach 1734.3  
ENG TT 1734.3  
TSOH 45.9

CE AND

DATE

## Engine Entries

• Performed 50 hour inspection IAW MM and inspection checklist... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample. • Researched and complied with all Airworthiness Directives. See compliance list.

I certify this aircraft has been inspected IAW FAR regulations and is certified for return to service.

BROUGHT  
FORWARD

DATE 05-31-2023

SIGNED

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER 011-05-2023

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IFICATIONS,  
IS AS REQUIRED FOR COMPLETE

ENTRI

027-06-2023 (10-11-2023)

MAKE Diamond  
MODEL DA40  
S/N 40 612  
REG NO N622DS  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 027-06-2023  
DATE 10-11-2023  
A/C Tach 1796.3  
ENG TT 1796.3  
TSOH 107.9

## Engine Entries

• Removed engine for repair

DATE 10-11-2023

SIGNED

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER 027-06-2023

Printed by EBIS (EBISCloud.com)

239-12-2023 (01-08-2024)

MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 239-12-2023  
DATE 01-08-2024  
A/C Tach 1752.5  
ENG TT 1796.3  
TSOH 107.9

## Engine Entries

• Performed ANNUAL inspection IAW Diamond MM and inspection checklist... • Installed engine after repair by Triple V P/N IO360M1A, S/N L-32470-51A. Installed new Aero Classics Oil Cooler P/N 8002299, S/N 037 with all new attaching hardware. See 8130-3 form dated 11/22/22. Installed Magnetos after 500 hour inspection by Professional Aircraft Accessories P/N 4347, S/N 21040459 and P/N 4370, S/N 17091056. See 8130-3 forms dated 11/14/23 and 11/15/23. Installed Fuel Servo RSA 5A011 overhauled by Professional Aircraft Accessories P/N 2576568-1 S/N 708N3409. See 8130-3 form dated 11/14/23. Installed new oil hoses and fuel hoses... • Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked... • Compressions (#1 (80/80), #2 (80/80), #3 (80/80), #4 (80/80))... • C/W AD 15-19-07 by visual inspection, no discrepancies noted. Next due in 110 hours... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE 01-08-2024

SIGNED

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER 239-12-2023

Printed by EBIS (EBISCloud.com)

11/30/2023

IO-360-M1A

S/N: L-32470-51A

Tach:

TSMO:

Disassembled engine for leaking thru bolt. All parts cleaned and inspected. Sent case to Divco for repair. Assembled engine with overhauled crankcase, new main bearings, new lifters, and new gaskets and seals.

Terrence McRoberts

Butler County Regional Airport - Hogan Field  
2820 Airport Road E., Hangar T-0  
Hamilton, Ohio 45015  
513-504-7770

AP 3835037



TOTAL THIS PAGE

TOTAL FROM  
PREVIOUS SUMMARYTOTAL  
SINCE MFG.



MAKE: Diamond  
MODEL: DA40  
S/N: 40 716  
REG NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 283-01-2024  
DATE: 01-23-2024  
A/C Tach: 1788.5  
ENG TT: 1832.3  
TSOH: 143.9

### Engine Entries

• Installed new #3 EGT P/N A002BG-WIP... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis.

DATE: 01-23-2024

SIGNED: 

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 283-01-2024

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289-02-2024 (02-05-2024)

Page 1 / 1

MAKE: Diamond  
MODEL: DA40  
S/N: 40 716  
REG NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 289-02-2024  
DATE: 02-05-2024  
A/C Tach: 1805.3  
ENG TT: 1849.1  
TSOH: 160.7

### Engine Entries

• Performed 50 hour inspection IAW MM and inspection checklist... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample... • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE: 02-05-2024

SIGNED: 

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 289-02-2024

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307-02-2024 (02-12-2024)

Page 1 / 1

MAKE: Diamond  
MODEL: DA40  
S/N: 40 716  
REG NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 307-02-2024  
DATE: 02-12-2024  
A/C Tach: 1835.0  
ENG TT: 1878.8  
TSOH: 190.4

### Engine Entries

• Installed L/H magneto after 500 hour inspection by Professional Aircraft Accessories P/N 4347, S/N 21061141. See 8130-3 forms dated 1/15/2024.

DATE: 02-12-2024

SIGNED: 

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 307-02-2024

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312-02-2024 (02-16-2024)

Page 1 / 1

MAKE: Diamond  
MODEL: DA40  
S/N: 40 716  
REG NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 312-02-2024  
DATE: 02-16-2024  
A/C Tach: 1843.5  
ENG TT: 1887.3  
TSOH: 198.9

### Engine Entries

• Performed 100 hour inspection IAW MM and inspection checklist... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis... • Compressions [#1 (79/80), #2 (79/80), #3 (79/80), #4 (78/80)]... • C/W AD 15-19-07 by visual inspection, no discrepancies noted. Next due in 110 hours... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 02-16-2024

SIGNED: 

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 312-02-2024

Printed by EBIS (EBISCloud.com)

378-04-2024 (04-15-2024)

MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN L-32470-51A

Midwest Corporate Air  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 378-04-2024  
DATE 04-15-2024  
A/C Tach. 1994.4  
ENG TT 2038.2  
TSOH. 349.8

DATE

BROUGHT  
FORWARD

## Engine Entries

• Performed 50 hour inspection IAW MM and inspection checklist... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample. • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE 04-15-2024

SIGNED

Brian S. Fisher  
Brian Fisher  
FAA Cert A&P 3671341 IA

WORK ORDER: 378-04-2024

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404-04-2024 (04-30-2024)

Page 1 / 1

MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN L-32470-51A

Midwest Corporate Air  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 404-04-2024  
DATE 04-30-2024  
A/C Tach. 2043.1  
ENG TT. 2086.9  
TSOH. 398.5

## Engine Entries

• Performed 100 hour inspection IAW MM and inspection checklist... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis... • Installed new in #2 intake gasket... • Compressions [#1 (80/80), #2 (76/80), #3 (75/80), #4 (70/80)]... • C/W AD 15-19-07 by visual inspection, no discrepancies noted. Next due in 110 hours... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE 04-30-2024

SIGNED

Tim Kerns  
Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 404-04-2024

Printed by EBIS (EBISCloud.com)

421-05-2024 (05-13-2024)

Page 1 / 1

MAKE Diamond  
MODEL DA40  
S/N: 40.716  
REG. NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

Midwest Corporate Air  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 421-05-2024  
DATE: 05-13-2024  
A/C Tach: 2094.3  
ENG TT: 2138.1  
TSOH: 449.7

## Engine Entries

• Performed 50 hour inspection IAW MM and inspection checklist... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample... • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE: 05-13-2024

SIGNED

Tim Kerns  
Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 421-05-2024

Printed by EBIS (EBISCloud.com)

434-05-2024 (05-21-2024)

Page 1 / 1

MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

Midwest Corporate Air  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 434-05-2024  
DATE: 05-21-2024  
A/C Tach: 2129.1  
ENG TT: 2172.9  
TSOH 484.5

## Engine Entries

• Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis.

DATE: 05-21-2024

SIGNED

Alvin Minzler  
Alvin Minzler  
FAA Cert A&P 3099793

WORK ORDER: 434-05-2024

Printed by EBIS (EBISCloud.com)

CARRIED FORWARD

MAKE: Diamond  
MODEL: DA40  
S/N: 40.716  
REG NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 437-05-2024  
DATE: 05-24-2024  
A/C Tach: 2139.8  
ENG TT: 2183.6  
TSOH: 495.2

### Engine Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis.... • Compressions [#1 (77/80), #2 (79/80), #3 74(/80), #4 (73/80)]... • C/W AD 15-19-07 by visual inspection, no discrepancies noted. Next due in 110 hours.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 05-24-2024

SIGNED:

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 437-05-2024

Printed by EBIS (EBISCloud.com)

459-06-2024 (06-05-2024)

Page 1 / 1

MAKE: Diamond  
MODEL: DA40  
S/N: 40.716  
REG NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 459-06-2024  
DATE: 06-05-2024  
A/C Tach: 2192.6  
ENG TT: 2236.4  
TSOH: 548.0

### Engine Entries

• Performed 50 hour inspection IAW MM and inspection checklist.... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample.... • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE: 06-05-2024

SIGNED:

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 459-06-2024

Printed by EBIS (EBISCloud.com)

479-06-2024 (06-20-2024)

Page 1 / 1

MAKE: Diamond  
MODEL: DA40  
S/N: 40.716  
REG NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 479-06-2024  
DATE: 06-20-2024  
A/C Tach: 2238.3  
ENG TT: 2282.1  
TSOH: 593.7

### Engine Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis.... • Compressions [#1 (75/80), #2 (78/80), #3 (77/80), #4 (78/80)]... • C/W 500 hour Powerflow Exhaust inspection IAW ICA.... • Installed magnetos after 500 hour inspection by Professional Aircraft Accessories P/N 4370, S/N 21121023 and P/N 4347, S/N 22071139. See 8130-3 forms dated 1/15/2024 & 6/11/2024.... • Installed 12ea new spark plugs P/N UREM37BY.... • C/W AD 15-19-07 by visual inspection, no discrepancies noted. Next due in 110 hours.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 06-20-2024

SIGNED:

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 479-06-2024

Printed by EBIS (EBISCloud.com)

506-07-2024 (07-02-2024)

Page 1 / 1

MAKE: Diamond  
MODEL: DA40  
S/N: 40.716  
REG NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 506-07-2024  
DATE: 07-02-2024  
A/C Tach: 2287.8  
ENG TT: 2331.6  
TSOH: 643.2

### Engine Entries

• Performed 50 hour inspection IAW MM and inspection checklist.... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample.... • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE: 07-02-2024

SIGNED:

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 506-07-2024

Printed by EBIS (EBISCloud.com)

MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO: N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN L-32470-51A

Midwest Corporate Air  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 335-03-2024  
DATE 03-01-2024  
A/C Tach 1894.1  
ENG TT 1937.9  
TSOH 249.5

DATE

BROUGHT  
FORWARD

## Engine Entries

• Performed 50 hour inspection IAW MM and inspection checklist.... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample. • Researched and complied with all Airworthiness Directives. See compliance list.  
I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE 03-01-2024

SIGNED:

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 335-03-2024

Printed by EBIS (EBISCloud.com)

351-03-2024 (03-22-2024)

Page 1 / 1

MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO: N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN: L-32470-51A

Midwest Corporate Air  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 351-03-2024  
DATE 03-22-2024  
A/C Tach: 1943.2  
ENG TT: 1987.0  
TSOH 298.6

## Engine Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis.... • Compressions [#1 (78/80), #2 (76/80), #3 (76/80), #4 (74/80)]... • C/W AD 15-19-07 by visual inspection, no discrepancies noted. Next due in 110 hours.... • Researched and complied with all Airworthiness Directives. See compliance records.  
I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 03-22-2024

SIGNED:

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER 351-03-2024

Printed by EBIS (EBISCloud.com)

526-07-2024 (07-16-2024)

Page 1 / 1

MAKE Diamond  
MODEL DA40  
S/N 40.716  
REG NO: N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN: L-32470-51A

Midwest Corporate Air  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 526-07-2024  
DATE: 07-16-2024  
A/C Tach: 2333.1  
ENG TT: 2376.9  
TSOH: 688.5

## Engine Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis.... • Compressions [#1 (79/80), #2 (78/80), #3 (75/80), #4 (74/80)]... • C/W AD 15-19-07 by visual inspection, no discrepancies noted. Next due in 110 hours.... • Researched and complied with all Airworthiness Directives. See compliance records.  
I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 07-16-2024

SIGNED:

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 526-07-2024

Printed by EBIS (EBISCloud.com)

555-07-2024 (07-31-2024)

Page 1 / 1

MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN: L-32470-51A

Midwest Corporate Air  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 555-07-2024  
DATE: 07-31-2024  
A/C Tach: 2382.3  
ENG TT: 2426.1  
TSOH: 737.7

## Engine Entries

• Performed 50 hour inspection IAW MM and inspection checklist.... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample.... • Researched and complied with all Airworthiness Directives. See compliance list.  
I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE: 07-31-2024

SIGNED:

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 555-07-2024

Printed by EBIS (EBISCloud.com)



586-08-2024 (08-13-2024)

MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 586-08-2024  
DATE 08-13-2024  
A/C Tach 2432.0  
ENG TT 2475.8  
TSOH 787.4

**Engine Entries**

• Performed 100 hour inspection IAW MM and inspection checklist. • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis. • Compressions (#1 (78/80), #2 (78/80), #3 (78/80), #4 (72/80))... • C/W AD 15-19-07 by visual inspection, no discrepancies noted. Next due in 110 hours. • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE 08-13-2024

SIGNED

Alvin Minzler  
Alvin Minzler  
FAA Cert A&P 3099793

WORK ORDER 586-08-2024  
Printed by EBIS (EBISCloud.com)

616-08-2024 (08-28-2024)

MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 616-08-2024  
DATE 08-28-2024  
A/C Tach 2483.8  
ENG TT 2527.6  
TSOH 839.2

**Engine Entries**

• Performed 50 hour inspection IAW MM and inspection checklist. • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample. • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE 08-28-2024

SIGNED

Tim Kerns  
Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER 616-08-2024  
Printed by EBIS (EBISCloud.com)

637-09-2024 (09-11-2024)

MAKE: Diamond  
MODEL DA40  
S/N 40 716  
REG NO N72MZ

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 637-09-2024  
DATE: 09-11-2024  
A/C TT 3606.9  
A/C Tach: 2529.2

**Engine Entries**

• Performed 100 hour inspection IAW MM and inspection checklist. • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis. • Compressions (#1 (78/80), #2 (79/80), #3 (76/80), #4 (72/80))... • C/W AD 15-19-07 by visual inspection, no discrepancies noted. Next due in 110 hours. • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 09-11-2024

SIGNED

Lee Myers  
Lee Myers  
FAA Cert 4583781 A&P

WORK ORDER 637-09-2024  
Printed by EBIS (EBISCloud.com)

676-10-2024 (10-07-2024)

MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 676-10-2024  
DATE 10-07-2024  
A/C Tach 2583.6  
ENG TT 2627.4  
TSOH 939.0

**Engine Entries**

• Performed 50 hour inspection IAW MM and inspection checklist. • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample. • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE 10-07-2024

SIGNED

Tim Kerns  
Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER 676-10-2024  
Printed by EBIS (EBISCloud.com)

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.



700-10-2024 (10-18-2024)

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MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN: L-32470-51A

Midwest Corporate Air  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 700-10-2024  
DATE 10-18-2024  
A/C Tach 2627.3  
ENG TT 2671.1  
TSOH 982.7

DATE

## Engine Entries

BROUGHT  
FORWARD

• Performed 100 hour inspection IAW MM and inspection checklist... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis... • Compressions [#1 (78/80), #2 (76/80), #3 (78/80), #4 (76/80)] • C/W AD 15-19-07 by visual inspection, no discrepancies noted. Next due in 110 hours... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE 10-18-2024

SIGNED

Lee Myers  
FAA Cert 4583781 A&P

WORK ORDER: 700-10-2024

Printed by EBIS (EBISCloud.com)

725-11-2024 (11-04-2024)

Page 1 / 1

MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN: L-32470-51A

Midwest Corporate Air  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 725-11-2024  
DATE 11-04-2024  
A/C Tach: 2677.0  
ENG TT: 2720.8  
TSOH: 1032.4

## Engine Entries

• Performed 50 hour inspection IAW MM and inspection checklist... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample... • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE: 11-04-2024

SIGNED

Joe Spaulding  
FAA Cert Pending A&P

WORK ORDER: 725-11-2024

Printed by EBIS (EBISCloud.com)

748-11-2024 (11-20-2024)

Page 1 / 1

MAKE Diamond  
MODEL DA40  
S/N: 40 716  
REG. NO: N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

Midwest Corporate Air  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 748-11-2024  
DATE: 11-20-2024  
A/C Tach: 2726.8  
ENG TT: 2770.6  
TSOH: 1082.2

## Engine Entries

• Performed 100 hour inspection IAW MM and inspection checklist... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis... • Compressions [#1 (80/80), #2 (77/80), #3 (76/80), #4 (75/80)]... • Installed magnetos after 500 hour inspection by Professional Aircraft Accessories P/N 4370, S/N 06121564 and P/N 4347, S/N 0612744. See 8130-3 forms dated 09/AUG/2024... • Installed and torqued eight new Tempest spark plugs P/N UREM37BY... • C/W AD 15-19-07 by visual inspection, no discrepancies noted. Next due in 110 hours... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 11-20-2024

SIGNED

Lee Myers  
FAA Cert 4583781 A&P

WORK ORDER: 748-11-2024

Printed by EBIS (EBISCloud.com)

792-12-2024 (12-30-2024)

Page 1 / 1

MAKE Diamond  
MODEL DA40  
S/N 40 716  
REG NO N72MZ  
ENGINE MAKE LYCOMING  
ENGINE MODEL IO-360-  
M1A  
ENGINE SN: L-32470-51A

Midwest Corporate Air  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O # 792-12-2024  
DATE 12-30-2024  
A/C Tach: 2775.8  
ENG TT: 2819.6  
TSOH: 1131.2

## Engine Entries

• Performed 50 hour inspection IAW MM and inspection checklist... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample... • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE: 12-30-2024

SIGNED

Alvin Minzler  
FAA Cert 3099793 A&P

WORK ORDER: 792-12-2024

Printed by EBIS (EBISCloud.com)

TOTAL THIS PAGE

TOTAL FROM  
PREVIOUS SUMMARYTOTAL  
SINCE MFG.

MAKE: Diamond  
MODEL: DA40  
S/N: 40 716  
REG NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 799-12-2024  
DATE: 12-31-2024  
A/C Tach: 2778.2  
ENG TT: 2822.0  
TSOH: 1133.6

### Engine Entries

• AD 2024-21-02 does not apply, connecting rods sent to Rick Romans on 10/15/21, the AD is N/A by ship date.

DATE: 12-31-2024

SIGNED: 

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 799-12-2024

Printed by EBIS (EBISCloud.com)

810-01-2025 (01-07-2025)

Page 1 / 1

MAKE: Diamond  
MODEL: DA40  
S/N: 40 716  
REG NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 810-01-2025  
DATE: 01-07-2025  
A/C Tach: 2780.1  
ENG TT: 2823.9  
TSOH: 1135.5

### Engine Entries

• Installed new Reiff engine preheater P/N TXPS4-RND and oil cooler preheater.

DATE: 01-07-2025

SIGNED: 

Michael Stevens  
FAA Cert 5029481 A&P

WORK ORDER: 810-01-2025

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840-01-2025 (01-30-2025)

Page 1 / 1

MAKE: Diamond  
MODEL: DA40  
S/N: 40 716  
REG NO: N72MZ  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: IO-360-  
M1A  
ENGINE SN: L-32470-51A

**Midwest Corporate Air**  
3100 State Route 47 West  
Bellefontaine, OH 43311

W/O #: 840-01-2025  
DATE: 01-30-2025  
A/C Tach: 2818.8  
ENG TT: 2862.6  
TSOH: 1174.2

### Engine Entries

• Performed ANNUAL inspection IAW MM and inspection checklist.... • Changed oil, cut open filter, no discrepancies noted. Serviced with 8 qts 20w50 oil and AA48110-2 filter. Washed engine, leak checked. Sent out Blackstone oil sample for analysis.... • Compressions [#1 (76/80), #2 (76/80), #3 (75/80), #4 (71/80)]... • Installed serviceable #1 injector line. ... • Installed serviceable #3 oil return line. ... • C/W AD 15-19-07 by visual inspection, no discrepancies noted. Next due in 110 hours.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 01-30-2025

SIGNED: 

Tim Kerns  
FAA Cert A&P 3390695 IA

WORK ORDER: 840-01-2025

Printed by EBIS (EBISCloud.com)