

ENG S/NL-30319-57A
N92SRH

AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

ENGINE SERVICE AND

MAINTENANCE RECORD

1

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 DA40
					Engine installation inspected I.A.W. Diamond Aircraft Industries W.O. # 999-1
					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
25 MAY 2002			4	9	HOURS BROUGHT FORWARD
July 18/2002			43	6	Diamond Date: July 18, 2002 S/N: 40.212 Reg. #: N925RH TACH: 43.6 HRS ENG S/N: L-30319-51A W/O #RO-02-239 25/100 HR Inspection Carried out I.A.W. Diamond Aircraft Industries DA40 Current Maintenance Manual Chapter 5 Inspection Check Sheet. Compression Readings notated as follows: #1 79/80 #2 80/80 #3 79/80 #4 50/80. Cause of low compression on cylinder #4 determined to be unseating intake valve. Cylinder #4 replaced with brand new cylinder and piston assy. Supplied by Textron Lycoming under warranty, all work carried out I.A.W. installation instructions of the current Lycoming overhaul manual. Spark plugs serviced. Engine serviced with Phillips 66 type "M" 20W50 oil Oil filter replaced. Magneto to engine timing on RH Mag adjusted and both mags synchronized Ground run up of engine performed and found to be satisfactory. Fluids leak check performed. No leaks detected. NOTE: For the next 25 HRS of operation this engine must be operated on Phillips 66 type "M" 20W50 oil. AWD Biweekly checked to Revision 2002-15. The maintenance described above has been performed in accordance with the applicable standards of airworthiness. DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL # 161-03 Signature: <i>[Signature]</i> Lic. Or Stamp: DA RO12
8/6/02			86	6	HOURS CHANGED OIL + FILTER ADDED 8 QT AEROSHELL 15W50 WASHED ENG. DOWN WITH MINERAL SPIRITS COMPLETED G.R.D. RUN - UP SATISFACTORY APP 37244696/ James A. Gray Bell Aviation CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

Aviation
CARRIED FORWARD

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

SIGNATURE

LICENCE NUMBER

S/N 40.212

[Signature]

DA Q9

[Signature]

DA Q9

I HAVE CARRIED OUT AN INDEPENDENT CHECK OF THE ENGINE CONTROLS AFFECTED BY THE WORK ACCOMPLISHED.

Signature: *[Signature]* Lic or Stamp: **DA RO6**

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

MAINTENANCE RECORD

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	REPAIRS, ADJUSTMENTS, MODIFICATIONS	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD								
								
Engine	LOG BOOK ENTRY				Dated: 09/18/02	N# 925RH		
	Make: Lycoming				Model: IO-360-M1A	SN: L-30319-51A		
	Total Time: 150.0				Hobbs Time: 150.0			
Performed an annual inspection on this engine per the Diamond DA-40 maintenance manual. Performed a differential cylinder compression check, and the results were as follows #1 76/80, #2 76/80, #3 77/80, #4 76/80. Drained the oil, and removed the oil filter. Cut open the oil filter, inspected the element, and no abnormal deposits were found. Installed a new oil filter. Complied with SI 1492C by inspecting the oil suction screen for contamination, and no contaminants were found. Filled the crankcase with 8 qts. of Phillips 20W50XC oil. Ran up the engine, and no leaks were found. Complied with AD 93-02-05 by inspecting the fuel injection lines and clamps per the Textron Lycoming SB 342D, and no defects were found. The next inspection is due at 250.0 hours total time, annually, or the next access. Installed a new oil quick drain valve part no. CCB-37000. Complied with the 100 hour Slick start inspection per the Unison L1492 maintenance manual. Installed a new set of contacts in the right magneto. Reinstalled the mag and timed it to Continued on page #2								
Page #2								
Installed a new set of contacts in the right magneto. Reinstalled the mag and timed it to the engine per the engine data plate. Performed an operational and leak check, as needed, on the above listed items, and no discrepancies were noted. This work was done per the Diamond DA-40 maintenance manual.								
I certify that this aircraft has been inspected in accordance with a Diamond DA-40 Annual Inspection & was determined to be in airworthy condition. Pertinent details on file at this agency under; W/O# 37135, 37136, 37148 Signed:  DATED: 09/18/02 for NORTHERN AIR INC., CRS# N81R812N, GERALD R, FORD INT'L AIRPORT, GRR, MI. 49512								
CARRIED FORWARD								
TOTAL THIS PAGE								
TOTAL FROM PREVIOUS SUMMARY								
TOTAL SINCE MFG.								
					MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.			

ENGINE SERVICE AND

MAINTENANCE RECORD

3

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE	REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD →								
5-24-03	187.5	Hobbs	187.5		Drained oil, remove oil Filter, Cut open oil Filter, installed new oil Filter. Filled crankcase with	inspected The element and NO abnormal deposits were Found 8 qts of Aeroshell 15w 50, ran engine, NO leaks were Found.	John C. Hawk	OWNER/PILOT CFI 405749114
		Hobbs	TSN					
Oct 1 2003	227.9		227.9		Compressions read #1-78/80, #2-79/80, and Filter, No metal Found in Filter. Rotated spark plugs. Complied with test of Fuel injection lines. I certify with a 100hr/Annual inspection and	#3-77/80, #4-76/80. Changed engine oil. Serviced engine with 8 quarts Aeroshell 15w 50. AD 93-02-05 By inspection and pressure this engine has been inspected in accordance Found to be Airworthy	John D. Schlager	AP515780321IA
		Hobbs						
Oct 1 2003	227.9				Installed Factory Supplied new NO leaks noted. Part # 156148-434 NRIT 1-03	Exhaust system, Aircraft ground run	John D. Schlager	AP515780321IA
10-13-04 N925RH Hobbs-272.9								
1 Compressions read								
#1-75/80, #2-79/80, #3-76/80, #4-75/80. Changed oil and Filter, old filter cut open-no metal found. Serviced engine with 8 quarts Aeroshell 15W50. Cleaned, gapped, and rotated spark plugs. Cleaned injectors. C/W AD 2002-26-01 by inspection and pressure test, due @ 372.9. I certify this engine has been inspected in accordance with a 100hr/annual inspection and found to be airworthy. Engine ground run-no defects noted. end								
The above listed aircraft/component has been inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.								
Signed <u>John D. Schlager</u> Certificate # AP515780321IA								
3-17-05					Lycoming Mandatory Service bulletin Service bulletin No. 565 (Requires replacement of	N/A as per pump serial # 154730102 pump IF P/N LW-15473 installed and has a date code of 3201	John C. Hawk	OWNER/PILOT 405749114
8-13-05	322.6	Hobbs	322.6	TSN	Drained oil, remove oil Filter, Cut open oil Filter, installed new oil Filter, Filled crankcase with 8 quarts	inspected The element and NO abnormal deposits were Found, of Aeroshell 15w 50, ran engine, NO leaks were Found.	John C. Hawk	OWNER/PILOT 405749114
CARRIED FORWARD								
TOTAL THIS PAGE								
TOTAL FROM PREVIOUS SUMMARY								
TOTAL SINCE MFG.								

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

MAINTENANCE RECORD

4

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE	REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD →								
10-21-05	Hobbs	336.6	TSM	336.6	Compressions Read #1 - 76/80, Changed engine Oil + Filter. 15W50. Cut Old Filter open - Filter, torqued and Sealed. Installed Complied with Lycoming SB 548A ON Complied with Lycoming SB 566 ON Complied with AD 2002-26-01 ON pressure test. Next due at has been inspected in accordance Found to be Airworthy.	#2 - 75/80, #3 - 79/80, #4 - 79/80. Serviced Engine with 8 quarts Aeroshell No Metal Found. Installed New CH48110-1 New Champion REM 38E Spark Plugs. Fuel Pumps - NA per Date Code. Crankshafts - NA Per Model Number. Fuel injection lines by Inspection and Hobbs - 436.6. I certify this engine with a 100hr/Annual Inspection and		
July 27 2006	Hobbs	388.1	TSM	388.1	Drained oil, remove oil Filter, Cut open oil Filter installed new oil Filter, Filled crankcase with 8 quarts	inspected the element, and NO abnormal deposits were Found, OF Aeroshell 15W50, ran engine, NO leaks were Found.		
1-10-07	Tach	331.2			Drained oil removed filter Cut open	for inspection handed oil added 8 qts		
	Hobbs	413.8			Aeroshell 15W50WT and ES48110 filter #1 - 78 #2 79 #3 78 #4 79 Inspect and IAW and Annual inspection airworthy Condition.	ER compression is follows all over 80 PSI Engine IAW FA 40130 maintenance manual and has been determined to be in		
1-10-07	Tach	331.2			AD's checked thru CD2006-26. C/w	AD 02-26-01 by inspection of all Fuel		
	Hobbs	413.8			injection lines for leaks and condition	Rys H/L A+P310987526IA		
6-5-07	Tach	364.1			Annual inspection completed this date.	AD's checked thru CD2007-10. Comps 17 77/80		
	TSMOH	364.1			2⇒ 78/80 3⇒ 77/80 4⇒ 78/80 Oil + AD02-26-01 by inspection of Fuel	Filter changed using Aeroshell 15W50. C/w		
					has been inspected in accordance with be in airworthy condition.	injection lines. I certify that this engine an Annual inspection and was determined to		
						Rys H/L A+P310987526IA		
CARRIED FORWARD								
TOTAL THIS PAGE								
TOTAL FROM PREVIOUS SUMMARY								
TOTAL SINCE MFG.								

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

MAINTENANCE RECORD

5

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE	REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD →								
10-19-07	Tach	392.2			Oil + Filter changed using Aeroshell 15w50. Runup + leak check good. Rysz H/L A+P310987526IA			
1-15-08	Tach	403.1			Oil + Filter changed using Aeroshell 15w50. Runup + leak check good. Rysz H/L A+P310987526IA			
3-3-08	Tach	410.6			Oil + Filter changed using Aeroshell 15w50. Runup + leak check good. Rysz H/L A+P310987526IA			
6-10-08	Tach	426.4	TSMOH	426.4	Annual inspection completed this date. Oil + Filter changed using Aeroshell 15w50. Comps as follows 1=78/80 2=79/80 3=78/80 4=78/80. Replaced all rocker box cover gaskets with new. AD's checked thru CD2008-09. C/w AD02-26-01 by inspection of Fuel injection lines. No defects noted. Runup and leak check good. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Rysz H/L A+P3296474IA			
12-29-08	Tach	452.8			Oil + Filter changed using Aeroshell 15w50. Runup + leak check good. Rysz H/L A+P3296474IA			
3-5-09	Tach	455.6			Oil + Filter changed using Aeroshell 15w50. Runup + leak check O.K. Ben Borman A+P3370571			

Date: 4/01/2010; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 604.40; Total Time: Shop Order #: SH-10-0121

Item: 2

OIL CHANGE

DRAINED ENGINE OIL, REMOVED AND INSPECTED OIL FILTER WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER P/N CH 48-110-1 AND SERVICED ENGINE WITH 8 QUARTS OF AEROSHELL 15W50. GROUND RAN AIRCRAFT. LEAK CHECKED GOOD.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *W. H. M. K.*

Dated: 09-01-2010

Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 8/26/2010; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 607.50; Total Time: 607.50; Engine - Type: LYCOMING IO-360-M1A, S/N: L-30319-51A, Time: 607.50

Shop Order #: SH-10-0266

Item: 300

ANNUAL INSPECTION DUE ON THIS ENGINE.

COMPLIED WITH ANNUAL INSPECTION ON THIS ENGINE, DEFECTS ARE NOTED IN THIS WORK ORDER.

Item: 301

ENGINE COMPRESSION CHECKS DUE.

ENGINE COMPRESSION CHECKED AS FOLLOWS CYL. # 1-78/80 2-78/80 3-78/80 4-78/80.

Item: 302

ENGINE OIL AND FILTER DUE CHANGE.

DRAINED ENGINE OIL, REMOVED AND INSPECTED OIL FILTER WITH NO DEFECTS NOTED. INSTALLED NEW FILTER P/N CH48110-1 AND SERVICED ENGINE WITH 8 QUARTS OF AEROSHELL 15W/50. GROUND RAN AIRCRAFT LEAK CHECK GOOD.

Item: 303

TAKE ENGINE OIL SAMPLE.

TOOK ENGINE OIL SAMPLE AND SENT OUT FOR ANALYSIS.

Item: 304

AD 08-14-07 AMEND. 39-15602 DATED 8/14/08 (INSPECTION OF THE ENGINE EXTERNAL FUEL INJECTION LINES) DUE.

COMPLIED WITH INSPECTION OF THE ENGINE EXTERNAL FUEL INJECTION LINES WITH NO DEFECTS NOTED AT THIS TIME IN ACCORDANCE WITH AD 08-14-07 AMEND. 39-15602 DATED 8/14/08 NEXT DUE ACTT 707.5.

Item: 305

MAGNETOS DUE 500 HR INSPECTION

REMOVED BOTH LH AND RH MAGNETOS AND SENT OUT FOR INSPECTION. RECIEVED LH MAGNETO P/N 4370 S/N 01071505 AND RH MAGNETO P/N 4370 S/N 02011842 FROM QUALITY AIRCRAFT ACCESSORIES INC. THIER WORK ORDER 105108 DATED JULY 20,2010. REINSTALLED BOTH MAGNETOS AND PERFORMED MAGNETO TIMING IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL 71-00-00. GROUND RAN AIRCRAFT AND FOUND RH MAGNETO NOT WORKING PROPERLY, SEE DISCREPANCY # 315 IN THIS WORK ORDER.

Item: 306

OIL FILL TUBE LEAKING

REMOVED AND REPLACED OIL FILL TUBE GASKET WITH NEW GASKET P/N 72059 IN REFERENCE WITH DIAMOND DA40 MAINTENANCE MANUAL 79-00-00. IEAK CHECK GOOD.

Item: 307

ALL CYLINDER DRAIN RUBBER HOSES ARE LEAKING

TIGHTENED ALL DRAIN HOSES AS NEEDED.

Item: 308

ALL VALVE COVER BOLTS NEED NEW STAR WASHERS

INSTALLED ALL NEW STAR WASHERS AS NEEDED.

Item: 309

ADJUST CYLINDER 1 AND 3 BOTTOM LEADS FROM TOUCHING DRAIN LINE, MELTING. READJUSTED CYLINDER 1 AND 3 BOTTOM LEADS AS NEEDED.

Item: 310

REPOSITION ELECTRICAL WIRES ABOVE ENGINE FUEL LINES NEAR STARTER

REPOSITIONED ELECTRICAL WIRES AS NEEDED.

Item: 311

INDUCTION BOX RUBBER LIP NEEDS REGLUED



Going your way every day since 1957
Aircraft Logbook Entry

Date: June 29, 2009
Total Time: 464.1

Aircraft: N925RH
Hour Meter: N/A

SN: 40.212
Tach: 464.1

Annual Inspection completed this date. Oil and filter changed using Aeroshell 15W50. Compressions as follows: 1=78/80, 2=79/80, 3=78/80, 4=78/80. AD's checked thru CD2009-12. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

A&P 30940991A
David Lewis

TOTAL TH

TOTAL
PREVIOUS S

TOT.
SINCE

CHARTER - AIRCRAFT MANAGEMENT - FULL SERVICE FBO - MAINTENANCE

Don Davis Aviation, Inc - 2154 Hwy 136 West - Henderson, KY 42420 - Telephone 270 826 6000 - Fax 270 826 6040

ENGINE SERVICE AND

Date: 10/06/2011; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 624.90; Total Time: 624.90; Engine - Type: LYCOMING IO-360-M1A, S/N: L-30319-51A, Time: 624.90

Shop Order #: SH-11-0397

Discrepancy: 300

ANNUAL INSPECTION DUE ON ENGINE .

Corrective Action: 300

COMPLIED WITH AN ANNUAL INSPECTION ON THIS ENGINE . DEFECTS ARE NOTED IN THIS WORK ORDER .

Discrepancy: 301

ENGINE OIL AND FILTER CHANGE IS DUE .

Corrective Action: 301

DRAINED ENGINE OIL , REMOVED AND INSPECTED OIL FILTER WITH NO DEFECTS NOTED .

INSTALLED NEW FILTER P/N - CH48110-1 AND SERVICED ENGINE WITH 8 QTS OF AEROSHELL 15W/50 . PERFORMED LEAK CHECK . NO LEAKS NOTED AT THIS TIME .

Discrepancy: 302

ENGINE OIL SAMPLE IS DUE .

Corrective Action: 302

ENGINE OIL SAMPLE WAS TAKEN AND SENT OUT FOR ANALYSIS ON 09/19/2011 .

Discrepancy: 303

ENGINE COMPRESSION CHECK IS DUE .

Corrective Action: 303

ENGINE COMPRESSION CHECKS AS FOLLOWS . CYL.# 1 - 72/80 #2 - 75/80 #3 - 74/80 #4 - 74/80 .

Discrepancy: 304

ENGINE FUEL NOZZLES NEED TO BE CLEANED .

Corrective Action: 304

CLEANED FUEL NOZZLES AS REQUIRED . NO DEFECTS WERE FOUND .

Discrepancy: 305

AD 11-15-10 AMEND. 39-16757 DATED 8/16/11 (AFS FUEL SERVO DIAPHRAGM) DUE.

Corrective ACTION: 305

COMPLIED WITH AD 11-15-10 AMEND. 39-16757 DATED 8/16/11 BY FINDING THIS FUEL SERVO NOT AFFECTED BY THIS A.D. BECAUSE IT HAS NOT BEEN OVERHAULED OR REPLACED AFTER THE DATE MENTIONED PER THE A.D. TEXT

Discrepancy: 306

AD 08-14-07 AMEND. 39-15502 DATED 8/14/08 (FUEL INJECTION LINE INSPECTION) DUE.

Corrective Action: 306

COMPLIED WITH A.D. 08-14 07 AMEND. 39-15502 DATED 8/14/08 PARA K, FOR THE FUEL INJECTION LINES INSPECTION PER LYCOMING MS/B 342. NO DEFECTS ARE NOTED AT THIS TIME. NEXT DUE IN 100 HOURS

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station

Signed: *[Signature]*

Dated: 10/06/2011

Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

10/15/2012 HOBBS: 671.6

Compressions: #1 70/80, #2 70/80, #3 69/80, #4 70/80. Changed oil and filter. Installed 8 new Spark Plugs. Installed new Induction Air Filter. C/W AD 2009-26-12 "To Prevent a Lean Running Engine", by visual inspection; due again at next oil change or Hobbs 721.6, whichever occurs first. C/W AD 2011-26-04 "To Prevent Failure of the Fuel Injector Lines" by visual inspection; due again at next maintenance event. I certify that this engine has been inspected IAW an ANNUAL INSPECTION, and is in an airworthy condition.

[Signature]
W. Mallory
A&P15108621A

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

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

Date: 10/28/2009; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 590.30; Total Time:; Engine - Type: , S/N:; Time:

Shop Order #: SH-09-0515

Discrepancy: 2

ENGINE OIL AND FILTER DUE CHANGE.

Corrective Action: 2

DRAINED ENGINE OIL, REMOVED AND INSPECTED FILTER WITH NO DEFECTS NOTED. INSTALLED NEW FILTER P/N CH48110-1 AND SERVICED ENGINE WITH 8 QUARTS OF AEROSHELL 15W/50.

GROUND RAN AIRCRAFT LEAK CHECK GOOD AT THIS TIME.

Discrepancy: 3

TAKE ENGINE OIL SAMPLE.

Corrective Action: 3

TOOK ENGINE OIL SAMPLE AND SENT OUT FOR ANALYSIS.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *[Signature]*

Dated: 10/28/09

Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 12/30/2010; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 617.80; Total Time:; Engine - Type: LYCOMING IO-360-M1A, S/N: L-30319-51A, Time: 617.80

Shop Order #: SH-10-0519

Item: 300

ENGINE OIL AND FILTER CHANGE DUE.

DRAINED ENGINE OIL, REMOVED AND INSPECTED OIL FILTER WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER P/N CH 48110-1 AND SERVICED ENGINE WITH 8 QUARTS OF AEROSHELL 15W/50 OIL.

GROUND RAN AIRCRAFT, LEAK CHECK GOOD.

Item: 301

TAKE ENGINE OIL SAMPLE.

TOOK ENGINE OIL SAMPLE AND SENT OUT FOR ANALYSIS.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *[Signature]*

Dated: 12/30/2010

Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 2/02/2011; Aircraft: N925RH; Type: DA 40; S/N: 40212; Hobbs: 618.40; Total Time:

Item: 2

PERFORM ENGINE RUN TWICE MONTHLY.

PERFORMED ENGINE RUN AS NEEDED. NO DEFECTS NOTED AT THIS TIME.

Item: 3

SERVICE TIRES.

ALL TIRES SERVICED AS PER AIRCRAFT POH.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *[Signature]*

Dated: 2/2/11

Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

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TOTAL
SINCE MFG.

June 6, 2017

Fuller Aircraft Services
822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060
ENGINE LOGBOOK ENTRY
REG #: N925RH
Diamond: DA40 S/N: 40212
Lycoming: IO-360-M1A S/N: L-30319-51A
Tach Time: 312.7

Cleaned, gapped and tested lower spark plugs. Repaired alternator field wire at alternator. Drained oil, removed, cut open & inspected oil filter, found normal, installed new filter P/N CH48110-1 & serviced engine with 8 Qts. AeroShell W100 Plus. Performed ground run & checked for leaks. All work completed IAW appropriate maintenance & service manuals.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service.

Glenn Fuller  A&P 3493937 July 6, 2017
END

Fuller Aircraft Services
822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060
ENGINE LOGBOOK ENTRY
REG #: N925RH
Diamond: DA40 S/N: 40212
Lycoming: IO-360-M1A S/N: L-30319-51A
Tach Time: 355.4

Drained oil, removed, cut open & inspected oil filter, found normal, installed new filter P/N CH48110-1 & serviced engine with 8 Qts. AeroShell W100 Plus. Performed ground run & checked for leaks. All work completed IAW appropriate maintenance & service manuals.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service.

Glenn Fuller  A&P 3493937 August 14, 2017
END

Fuller Aircraft Services
822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060
ENGINE LOGBOOK ENTRY
REG #: N925RH
Diamond: DA40 S/N: 40212
Lycoming: IO-360-M1A S/N: L-30319-51A
Tach Time: 384.6

Drained oil & serviced engine with 7 Qts. AeroShell W100 Plus. Performed ground run & checked for leaks. All work completed IAW appropriate maintenance & service manuals.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service.

Glenn Fuller  A&P 3493937 September 26, 2017
END

CARRIED FORWARD

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

COMPLETE

ENTRIE

Fuller Aircraft Services
822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060
ENGINE LOGBOOK ENTRY
REG. #: N925RH
Diamond Aircraft: DA40 S/N: 40.212
Lycoming: IO-360-M1A S/N: L-30319-51A
Tach Time: 434.2 Total Time Since New: 1023.2

Completed Annual inspection, service and repairs as follows: Removed, cleaned, inspected & reinstalled fuel injectors. Replaced all rocker cover gaskets with Real silicone gaskets P/N RG-75906. Disassembled, cleaned & inspected alternate induction air valve due to stiff operation, lubricated & reinstalled valve, operation checked satisfactory. Reattach L/H lower baffle wire. Drained oil, removed, cut open & inspected oil filter, found normal, installed new filter P/N AA48110-2, removed & inspected oil suction screen, found normal, cleaned & reinstalled screen with new crush washer P/N AN900-16 & serviced engine with 8 Qts. Aeroshell W100 Plus. Cleaned, gapped & tested spark plugs. Pressure tested exhaust system & complied with MSB 40-033, due next at Tach 484.2. Compressions checked as follows: #1 74/80 #2 78/80 #3 78/80 #4 78/80. Reset magneto timing A/R, magnetos have 76.3 since 500 hour inspection. Complied with recurring Lycoming fuel injection system AD 2015-19-07 paragraphs (e)(1)(ii) by inspection of the fuel injector lines & clamps IAW Service Bulletin 342G, due next in 100 hours TIS (not to exceed 110 hours), at each engine overhaul, or after any system maintenance. Checked Airworthiness Directive Bi-weeklies through 2018-04. Post inspection engine ground run, operational & leak check satisfactory. For further details see Diamond Aircraft Inspection report. All work completed IAW appropriate maintenance & service manuals.

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

Glenn Fuller  A&P 3493937 IA February 16, 2018
END

Fuller Aircraft Services
822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060
ENGINE LOGBOOK ENTRY
REG #: N925RH
Diamond: DA40 S/N: 40212
Lycoming: IO-360-M1A S/N: L-30319-51A
Tach Time: 471.9

Drained oil, removed, cut open & inspected oil filter, found normal, installed new filter P/N AA48110-2 & serviced engine with 8 Qts. AeroShell W100 Plus. Sealed gaps in engine cooling baffles with RTV silicone & replaced forward R/H baffle seal. Performed ground run & checked for leaks. All work completed IAW appropriate maintenance & service manuals.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service.

Glenn Fuller  A&P 3493937 June 19, 2018
END

Fuller Aircraft Services
822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060
ENGINE LOGBOOK ENTRY
REG #: N925RH
Diamond: DA40 S/N: 40212
Lycoming: IO-360-M1A S/N: L-30319-51A
Tach Time: 485.2

Removed & tested upper spark plug on cylinder #1, replaced spark plug with new P/N UREM38S. Removed, disassembled & inspected R/H magneto, reset "E" gap, reinstalled magneto with new gasket P/N 649954 & set timing A/R. All work completed IAW appropriate maintenance & service manuals.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service.

Glenn Fuller  A&P 3493937 July 31, 2018
END

ENGINE SERVICE AND

MAINTENANCE RECORD

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE	REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER					
	HRS.	MIN.	HRS.	MIN.									
BROUGHT FORWARD →													
9/6/18					Tach Time = 504. Replaced all plugs (except cyl 1 Top) with new Tempst UREN 885. All plugs tested 900-1200 Ohms resistance								
Fuller Aircraft Services 822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060 ENGINE LOGBOOK ENTRY REG #: N925RH Diamond: DA40 S/N: 40.212 Lycoming: IO-360-M1A S/N: L-30319-51A Tach Time: 509.7 Drained oil & serviced engine with 7 Qts. AeroShell W100 Plus. Performed ground run, Adjusted idle speed & idle mixture, & checked for leaks. All work completed IAW appropriate maintenance & service manuals. The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service. Glenn FullerA&P 3493937September 17, 2018END													
Fuller Aircraft Services 822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060 ENGINE LOGBOOK ENTRY REG. #: N925RH Diamond Aircraft: DA40 S/N: 40.212 Lycoming: IO-360-M1A S/N: L-30319-51A Tach Time: 544.1 Total Time Since New: 1133.1 Completed Annual inspection, service and repairs as follows: Replaced throttle & mixture control attachment hardware with drilled bolts & castle nuts. Removed R/H forward engine cooling baffle & installed new baffle P/N D417166-11-00-2 (Arizona cooling baffle) with new seal P/N 10-2508-8971. Drained oil, removed, cut open & inspected oil filter, found normal, installed new filter P/N AA48110-2, removed & inspected oil suction screen, found normal, cleaned & reinstalled screen with new crush washer P/N AN900-16 & serviced engine with 8 Qts. AeroShell W100 Plus. Cleaned, gapped & tested spark plugs. Pressure tested exhaust system. Compressions checked as follows: #1 77/80 #2 78/80 #3 70/80 #4 80/80. Checked magneto timing, magnetos have 186.2 since 500 hour inspection. Complied with recurring Lycoming fuel injection system AD 2015-19-07 paragraphs (e)(1)(ii) by inspection of the fuel injector lines & clamps IAW Service Bulletin 342G, due next in 100 hours TIS (not to exceed 110 hours), at each engine overhaul, or after any system maintenance. Checked Airworthiness Directive Bi-weeklies through 2019-06. Post inspection engine ground run, operational & leak check satisfactory. For further details see Diamond Aircraft Inspection report. All work completed IAW appropriate maintenance & service manuals. I certify this Engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition. Glenn FullerA&P 3493937 IAMarch 12, 2019END													
Fuller Aircraft Services 822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060 ENGINE LOGBOOK ENTRY REG #: N925RH Diamond: DA40 S/N: 40.212 Lycoming: IO-360-M1A S/N: L-30319-51A Tach Time: 582.1 Replaced propeller governor gasket P/N AA9144. Drained oil, removed, cut open & inspected oil filter, found normal, installed new filter P/N AA48110-2 & serviced engine with 7 Qts. AeroShell W100. Performed ground run & checked for leaks. All work completed IAW appropriate maintenance & service manuals. The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service. Glenn FullerA&P 3493937June 12, 2019END													
Fuller Aircraft Services 822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060 ENGINE LOGBOOK ENTRY REG #: N925RH Diamond: DA40 S/N: 40.212 Lycoming: IO-360-M1A S/N: L-30319-51A Tach Time: 590.4 Removed, disassembled & inspected R/H magneto, checked coil, cleaned cap & rotor, replaced rotor gear P/N M3827, replaced points P/N M3081, set "E" gap, reinstalled magneto with new gasket P/N 649954 & set timing A/R. All work completed IAW appropriate maintenance & service manuals. The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service. Glenn FullerA&P 3493937June 20, 2019END													
Fuller Aircraft Services 822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060 ENGINE LOGBOOK ENTRY REG #: N925RH Diamond: DA40 S/N: 40.212 Lycoming: IO-360-M1A S/N: L-30319-51A Tach Time: 626.7 Drained oil, removed, cut open & inspected oil filter, found normal, installed new filter P/N AA48110-2 & serviced engine with 7 Qts. AeroShell W100. Performed ground run & checked for leaks. All work completed IAW appropriate maintenance & service manuals. The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service. Glenn FullerA&P 3493937August 23, 2019END													
TOTAL FROM PREVIOUS SUMMARY <table><tr><td>TOTAL SINCE MFG.</td><td></td><td></td><td></td><td></td></tr></table>									TOTAL SINCE MFG.				
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ENGINE SERVICE AND

MAINTENANCE RECORD

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Glenn FullerA&P 3493937November 11, 2019END <tr><td colspan="9"> Fuller Aircraft Services 822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060 ENGINE LOGBOOK ENTRY REG #: N925RH Diamond Aircraft: DA40 S/N: 40.212 Lycoming: IO-360-M1A S/N: L-30319-51A Tach Time: 687.5 Total Time Since New: 1276.5 Completed Annual inspection, service and repairs as follows: Drained oil, removed, cut open & inspected oil filter, found normal, installed new filter P/N AA48110-2, removed & inspected oil suction screen, found normal, cleaned & reinstalled screen with new crush washer P/N AN900-16 & serviced engine with 7 Qts. Aeroshell W100 Plus. Cleaned, gapped & tested spark plugs. Pressure tested exhaust system. Compressions checked as follows: #1 77/80 #2 76/80 #3 78/80 #4 78/80. Removed L/H magneto due to hard starting problem, inspected magneto & performed 500 hour inspection IAW Champion Aerospace 4300/6300 series magneto maintenance and overhaul manual L-1363F, replaced distributor block Assy. P/N ES3822 & rotor gear P/N M3827, reinstalled magneto with new gasket P/N 649954 & set timing on both magneto's A/R, R/H magneto has 329.6 since 500 hour inspection. Complied with recurring Lycoming fuel injection system AD 2015-19-07 paragraphs (e)(1)(ii) by inspection of the fuel injector lines & clamps IAW Service Bulletin 342G, due next in 100 hours TIS (not to exceed 110 hours), at each engine overhaul, or after any system maintenance. Checked Airworthiness Directive Bi-weeklies through 2020-09. Post inspection engine ground run, operational & leak check satisfactory. For further details see Diamond Aircraft Inspection report. All work completed IAW appropriate maintenance & service manuals. I certify this Engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition. Glenn FullerA&P 3493937 IAApril 15, 2020END <tr><td colspan="9"> Fuller Aircraft Services 822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060 ENGINE LOGBOOK ENTRY REG #: N925RH Diamond: DA40 S/N: 40.212 Lycoming: IO-360-M1A S/N: L-30319-51A Tach Time: 768.7 Removed SlickStart ignition booster P/N SS1001, S/N 02051-007 & installed new Sure Start ignition booster P/N SS1001, S/N 20033163. Drained oil, removed, cut open & inspected oil filter, found normal, installed new filter P/N AA48110-2 & serviced engine with 7 Qts. AeroShell W100. Performed ground run & checked for leaks. Complied with recurring Lycoming fuel injection system AD 2015-19-07 paragraphs (e)(1)(ii) by inspection of the fuel injector lines & clamps IAW Service Bulletin 342G, due next in 100 hours TIS (not to exceed 110 hours), at each engine overhaul, or after any system maintenance. All work completed IAW appropriate maintenance & service manuals. 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P/N ES3822 & rotor gear P/N M3827, reinstalled magneto with new gasket P/N 649954 & set timing on both magneto's A/R, R/H magneto has 329.6 since 500 hour inspection. Complied with recurring Lycoming fuel injection system AD 2015-19-07 paragraphs (e)(1)(ii) by inspection of the fuel injector lines & clamps IAW Service Bulletin 342G, due next in 100 hours TIS (not to exceed 110 hours), at each engine overhaul, or after any system maintenance. Checked Airworthiness Directive Bi-weeklies through 2020-09. Post inspection engine ground run, operational & leak check satisfactory. For further details see Diamond Aircraft Inspection report. All work completed IAW appropriate maintenance & service manuals. I certify this Engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition. Glenn FullerA&P 3493937 IAApril 15, 2020END <tr><td colspan="9"> Fuller Aircraft Services 822 E. 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BROUGHT FORWARD							
Fuller Aircraft Services 822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060 ENGINE LOGBOOK ENTRY REG. #: N925RH Diamond Aircraft: DA40 S/N: 40.212 Lycoming: IO-360-M1A S/N: L-30319-51A Tach Time: 1373.8 Total Time Since New: 1373.8							
Completed Annual inspection, service and repairs as follows: Replaced outer clamp on cylinder #1 oil return tube. Replaced cylinder #1 push rod tube seals P/N's LW18661 & 70310. Drained oil, removed, cut open & inspected oil filter, found normal, installed new filter P/N AA48110-2, removed & inspected oil suction screen, found normal, cleaned & reinstalled screen with new crush washer P/N AN900-16 & serviced engine with 7 Qts. Aeroshell W100. Cleaned, gapped & tested spark plugs, reinstalled plugs with new washers P/N U674. Pressure tested exhaust system. Compressions checked as follows: #1 77/80 #2 75/80 #3 77/80 #4 77/80. Checked magneto timing, R/H magneto has 426.9, L/H magneto has 97.3 since 500 hour inspection. Complied with recurring Lycoming fuel injection system AD 2015-19-07 paragraphs (c)(1)(ii) by inspection of the fuel injector lines & clamps IAW Service Bulletin 342G, due next in 100 hours TIS (not to exceed 110 hours), at each engine overhaul, or after any system maintenance. Checked Airworthiness Directive Bi-weeklies through 2021-10. Post inspection engine ground run, operational & leak check satisfactory. For further details see Diamond Aircraft Inspection report. All work completed IAW appropriate maintenance & service manuals.							
I certify this Engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition.							
Glenn Fuller A&P 3493937 IA END May 1, 2021							
Fuller Aircraft Services 822 E. Santa Maria St. Hangar #9 Santa Paula, CA. 93060 ENGINE LOGBOOK ENTRY REG #: N925RH Diamond: DA40 S/N: 40212 Lycoming: IO-360-M1A S/N: L-30319-51A Tach Time: 1407.2							
Drained oil, removed, cut open & inspected oil filter, found normal, installed new filter P/N AA48110-2 & serviced engine with 7 Qts. AeroShell W100 & CamGuard. Performed ground run & checked for leaks. All work completed IAW appropriate maintenance & service manuals.							
The aircraft, airframe, engine, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations under the Federal Aviation Administration and is approved for return to service.							
Glenn Fuller A&P 3493937 END July 12, 2021							
CARRIED FORWARD							
TOTAL THIS PAGE							
TOTAL FROM PREVIOUS SUMMARY							
TOTAL SINCE MFG.							

DIRECT MX
AVIATION
09/21/2021 N925RH S/N: 40.212 Hobbs: 1837.7 Tach: 1428.6
Lycoming Model: IO-360-M1A S/N: L-30319-51A TTSN: 1428.6

Accomplished the following:

- Annual/100-Hour Inspection referencing FAR 43 (D) and Diamond DA40 Maintenance Manual.
 - Compression Check on all cylinders found satisfactory. #1: 74, #2: 78, #3: 76, #4: 78.
 - Removed, cleaned, inspected, gapped and repositioned spark plugs.
 - Magneto-to-engine timing satisfactory.
 - Drained oil, cut open filter, installed new, and serviced with 7qts of Phillips XC 20W-50 Oil.
 - Ground run and leak check satisfactory.
- AD's current to Bi-Weekly revision 2021-19.
- AD 2015-19-07 Fuel Line Inspection. Next Due: 1538.6hrs.
- AD 2004-10-14 Crankshaft Gear Retaining Bolt Due at Propeller strike or sudden engine stoppage.

I certify that this engine has been inspected and/or repaired in accordance with Federal Aviation Regulations and was determined to be in an airworthy condition with respect to the work performed and is returned to service.

Zack Brawner A&P 3725527 IA