



LIFT ACADEMY

LEADERSHIP IN FLIGHT TRAINING

Aircraft Registration Number N853L

Aircraft Serial Number 40.NC055

Discrepancy				Corrective Action		
DISC #	Date	Location:	<input type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A #	Date	Tach:
24	11-19-20			24	11/19/20	1135.10
Fuel Pump Switch was broken.				Removed and Replaced Fuel pump switch PN 7101K2ZQE. DPS Check good ref Diamond MM and standard practices.		
Tach: 1518.4				Certificate # [REDACTED]		
Name (Printed) Bradley Lancaster		Signature [REDACTED]		Name (Printed) JACQUELINE SHOGG		Signature [REDACTED]
DISC #	Date	Location:	<input type="checkbox"/> Ground <input checked="" type="checkbox"/> In-Flight	C/A #	Date	Tach:
25	12/3/20			25	12/3/2020	1162.3
Com 2 constantly receiving static				Run up aircraft checked com 2 in all 4 headset jacks. Could not duplicate issue.		
Tach: 1162.3				Certificate # [REDACTED]		
Name (Printed) Jacqueline Lux		Signature [REDACTED]		Name (Printed) Gregory Dodson		Signature [REDACTED]
DISC #	Date	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A #	Date	Tach:
26	1/7/21			26	1/7/2021	1207.2
Lost AVX fuel tank quantity in flight				Sumped RH fuel tank and removed water. Checked wing connections found ok. Rocked wings - Indicator operation normal ref Diamond MM.		
Tach: 1207.2				Certificate # [REDACTED]		
Name (Printed) Jacqueline Lux		Signature [REDACTED]		Name (Printed) Joe Lynch		Signature [REDACTED]
DISC #	Date	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A #	Date	Tach:
27	01/12/21			27	01/12/21	1207.2
Right Fuel Sump Not Draining				Drought aircraft in hangar. Thawed aircraft. Sumped right fuel tank.		
Tach: 1207.2				Certificate # [REDACTED]		
Name (Printed) CELISIA PAVEL VASILEV		Signature [REDACTED]		Name (Printed) Jacki Sugg		Signature [REDACTED]



LIFT ACADEMY

LEADERSHIP IN FLIGHT TRAINING

Aircraft Registration Number N853L

Aircraft Serial Number 40.NC055

Discrepancy				Corrective Action		
DISC #	Date	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A #	Date	Tach:
16	6-4			16	6-4	790.6
Coolant Level Low on Start up.				Serviced coolant in ref to ACMM OPS check Good		
Name (Printed)			Tach: 790.6	Certificate # [REDACTED]		
Signature				Name (Printed)		Signature
Jacob Kew				Jay Leach		
DISC #	Date	Location:	<input type="checkbox"/> Ground <input checked="" type="checkbox"/> In-Flight	C/A #	Date	Tach:
17	7-17-2020				7-17-2020	864.5
Stall warning horn inop				Fixed compressed stall warning hose. Moved hoses so they wouldn't smash the stall hose.		
Name (Printed)			Tach: 864.5	Certificate # [REDACTED]		
Signature				Name (Printed)		Signature
Joseph McIntosh				Joseph McIntosh		
DISC #	Date	Location:	<input type="checkbox"/> Ground <input checked="" type="checkbox"/> In-Flight	C/A #	Date	Tach:
18					7-24-2020	
Fuel tank intermittent function.				Sumped water out of right wing problem went away		
Name (Printed)			Tach:	Certificate # [REDACTED]		
Signature				Name (Printed)		Signature
Nicholas Alexander				Joseph McIntosh		
DISC #	Date	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A #	Date	Tach:
19	8-28			19	9/4/20	946.9
Missing Stall Horn Cover				FOUND MISSING STALL COVER		
Name (Printed)			Tach: 946.9	Certificate # [REDACTED]		
Signature				Name (Printed)		Signature
Matt Hruska				ANNES POOLE		



LIFT ACADEMY

LEADERSHIP IN FLIGHT TRAINING

Aircraft Registration Number N853L

Aircraft Serial Number 40.NC055

Discrepancy				Corrective Action		
DISC #	Date	Location:	<input type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A #	Date	Tach:
20	9/21/20	IND	<input type="checkbox"/> Ground <input type="checkbox"/> In-Flight	20	9/21/2020	960.7
flaps will not go fully down				Found Broken wire on flap micro-switch - re-solder wire. Ref. Diamond MM. OPS check good.		
Tach: 960.7				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Marilyn Loyd		[REDACTED]		Joey Leach		[REDACTED]
21	10/2/20	IND	<input type="checkbox"/> Ground <input checked="" type="checkbox"/> In-Flight	21	10-2-2020	992.0
DUAL ECU FAILED & FUEL PRESS WARNING ON FINAL BACK INTO KIND. ECU A FAIL & FUEL PRESS CLEARED ON GROUND. ECU A DID NOT				Replaced HPF sensor.		
Tach: 992.0				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
CHARLES ALFORD		[REDACTED]		Joseph McEntosh		[REDACTED]
22	10/20/20	IND	<input type="checkbox"/> Ground <input type="checkbox"/> In-Flight	22	10/20/2020	1050.8
Gearbox oil low				Topped off gearbox oil referring diamond & Astro MM.		
Tach: 1050.8				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Robert Welch		[REDACTED]		Marilyn Loyd		[REDACTED]
23	10/21/20	IND	<input type="checkbox"/> Ground <input type="checkbox"/> In-Flight	23	10/22/20	1050.8
Left tank fuel gauge WOP stuck on 10 gal even though tank is full				Removed and replaced fuel quantity probe and O-ring IRT Diamond MM. OPS check good.		
Tach: 1050.8				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Robert Welch		[REDACTED]		Joshua Perreault		[REDACTED]



LIFT ACADEMY

LEADERSHIP IN FLIGHT TRAINING

Aircraft Registration Number N853L

Aircraft Serial Number 40.NC055

Discrepancy				Corrective Action		
DISC #	Date	Location:	<input type="checkbox"/> Ground <input checked="" type="checkbox"/> In-Flight	C/A #	Date	Tach:
8	10/17			8	10/17	
Stall horn failing to Signal in flight. Com 2 static.				Could not duplicate stall horn fault on ground. Could not duplicate (com 2) fault on ground. OPS check good. No defects noted.		
Tach:				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Benjamin Gehlhausen		[REDACTED]		Joshua Pereira		[REDACTED]
9	11/24		<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	9	11/24	534.5
Canopy will not open. Can locked inside and had to climb out the back				Readjusted door lock mechanism.		
Tach:				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Joan Shurtk		[REDACTED]		William Larice		[REDACTED]
10	2/11	KIND	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	10	2/11	686.9
Xfer pump CB popped. pushed it back in - CB popped again. XFER Pump didn't work				Replaced fuel transfer pump.		
Tach:				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Wesley Cooks		[REDACTED]		Bruce Gonzalez Rivera		[REDACTED]
11	2-29-2020		<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	11	2-29-2020	727.3
Fuel cap lock RT. Key broken in lock. Cap locked				Removed key from fuel cap. Removed and adjusted fuel cap. Ops checked good		
Tach:				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Eduan Miller		[REDACTED]		Marich Lopez		[REDACTED]



LIFT ACADEMY

LEADERSHIP IN FLIGHT TRAINING

Aircraft Registration Number N853L

Aircraft Serial Number 40.NC055

Discrepancy				Corrective Action		
DISC #	Date	Location:	<input type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A #	Date	Tach:
12	3-13-20			12	3/13/20	743.5
LH fuel qty indicator showing 12 gal when tank full.				Drained water from LH tanks. LH tanks indicate normal.		
RH fuel qty indicator - 1100 on taxi (yellow X)				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Blake McCombs		[REDACTED]		T. Sarker		[REDACTED]
DISC #	Date	Location:	<input type="checkbox"/> Ground <input checked="" type="checkbox"/> In-Flight	C/A #	Date	Tach:
13	3.20.20			13	3/20/2020	756.5
Fuel transfer pump inop, right tank indicator on MED, Yellow X				Replaced fuel transfer pump. OPS check good.		
Tach: 756.5				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Jack Morque		[REDACTED]		Joshua Pereira		[REDACTED]
DISC #	Date	Location:	<input type="checkbox"/> Ground <input checked="" type="checkbox"/> In-Flight	C/A #	Date	Tach:
14	5.22.20	IND		14	5/22/20	766.0
Landing Flaps will not engage and NAV Database expired				Found and repaired broken wire on flap actuator sensor. OPS check good.		
Tach: 760				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Jacob Keller		[REDACTED]		Joshua Pereira		[REDACTED]
DISC #	Date	Location:	<input type="checkbox"/> Ground <input checked="" type="checkbox"/> In-Flight	C/A #	Date	Tach:
15	5-29	SHB		15	5/29	779
RPM Pegged 2300 not changing with power adjustments. Shut down, ran ECU test resulting in Dual ECU Failure				Removed and replaced JAP Prop gov. P/N P-853-16 S/N 116 196085-1/6 with new Prop gov. S/N 206129-1/6. OPS check good.		
Tach: 779				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Jacob Keller		[REDACTED]		Josh Pereira		[REDACTED]



LIFT ACADEMY

LEADERSHIP IN FLIGHT TRAINING

Aircraft Registration Number N853L

Aircraft Serial Number 40.NC055

Discrepancy				Corrective Action		
DISC#	Date	Location:	<input type="checkbox"/> Ground <input checked="" type="checkbox"/> In-Flight	C/A #	Date	Tach:
8	10/17			8	10/17	
Stall horn failing to Signal in flight. Com 2 static.				Could not duplicate stall horn fault on ground. Could not duplicate Com 2 fault on ground. OPS check good. No defects noted.		
Tach:				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Benjamin Gehlhausen		[REDACTED]		Joshua Pereira		[REDACTED]
DISC#	Date	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A #	Date	Tach:
9	11/24			9	11/24	534.5
Canopy will not open. C/A locked inside and had to climb out the back				Readjusted door lock mechanism.		
Tach:				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Jason Shuck		[REDACTED]		William LaFol		[REDACTED]
DISC#	Date	Location:	<input type="checkbox"/> Ground <input checked="" type="checkbox"/> In-Flight	C/A #	Date	Tach:
10	2/11	KIND		10	2/11	686.9
Xfer pump CB popped. pushed it back in - CB popped again. XFER pump didn't work				Replaced fuel transfer pump.		
Tach:				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Wesley Cook		[REDACTED]		Bence George Avner		[REDACTED]
DISC#	Date	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A #	Date	Tach:
11	2-29-2020			11	2-29-2020	727.3
Fuel cap lock RT. Key broken in lock. Cap locked!				Removed key from fuel cap. Removed and adjusted fuel cap. Ops checked good		
Tach:				Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Evan Miller		[REDACTED]		Mariah Loyd		[REDACTED]



LIFT ACADEMY

LEADERSHIP IN FLIGHT TRAINING

Aircraft Registration Number N853L

Aircraft Serial Number 40.NC055

Discrepancy				Corrective Action		
DISC # 1	Date 7/18	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A # 1	Date 7/18	Tach: 73.1
Door open annunciation inop				Open Door switch adjusted. Tested multiple times. OP-check Good		
Tach: 73.1				Certificate # [REDACTED]		
Name (Printed) Andrew Byrd		Signature [REDACTED]		Name (Printed) Dave Miller		Signature [REDACTED]
DISC # 2	Date 7/24	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A # 1	Date 7/25/19	Tach: 98.7
Door open annunciation inop				Adjusted Contact TAB - ops check OK		
Tach: 98.7				Certificate # [REDACTED]		
Name (Printed) Andrew Byrd		Signature [REDACTED]		Name (Printed) Beth Williams		Signature [REDACTED]
DISC # 3	Date 8/3	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A # 8/3	Date 8/3	Tach: 136.2
Door open annunciation inop				Door open annunciator arm adjusted. Ops check good		
Tach: 136.2				Certificate # [REDACTED]		
Name (Printed) N Wahl		Signature [REDACTED]		Name (Printed) T. Barker		Signature [REDACTED]
DISC # 4	Date 8/14	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A # 8/14/15	Date 8/14/15	Tach: 167.2 167.2
Door open annunciation inop				Adjusted actuator arm. ops check good		
Tach: 167.2				Certificate # [REDACTED]		
Name (Printed) Andrew Byrd		Signature [REDACTED]		Name (Printed) T. Barker		Signature [REDACTED]



LIFT ACADEMY

LEADERSHIP IN FLIGHT TRAINING

Aircraft Registration Number N853L

Aircraft Serial Number 40.NC055

Discrepancy				Corrective Action		
DISC #	Date	Location:	<input type="checkbox"/> Ground <input checked="" type="checkbox"/> In-Flight	C/A #	Date	Tach:
5	8/18			5	8/20	186.8
RIGHT FUEL SENSOR DISPLAYS 14GAL, AIRCRAFT USED MUCH MORE FUEL THAN DISPLAYED.				Replaced PTH fuel probe. No leak noted. Indicator normal.		
			Tach: 186.8	Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Troy Nakamichi		[REDACTED]		Eric Wood		[REDACTED]
DISC #	Date	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A #	Date	Tach:
6	8/26			6	8/27	
"DOOR OPEN" ANNUNCIATOR NOT ANNUNCIATING				Could Not Duplicate		
			Tach: 207.9	Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Tory Wright		[REDACTED]		Evan Tharp		[REDACTED]
DISC #	Date	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A #	Date	Tach:
7	8/27			7	8/27	209.7
"DOOR OPEN" ANNUNCIATOR NOT ANNUNCIATING				Door annunciator operates normally. No defects noted		
			Tach: 209.7	Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Logan Welch		[REDACTED]		Eric Wood		[REDACTED]
DISC #	Date	Location:	<input checked="" type="checkbox"/> Ground <input type="checkbox"/> In-Flight	C/A #	Date	Tach:
8	9/18/19				9/18/19	
Cannopy won't open				Resecured sleeve to canopy guide pin. ops check good		
			Tach:	Certificate # [REDACTED]		
Name (Printed)		Signature		Name (Printed)		Signature
Barker		[REDACTED]		Barker		[REDACTED]

ENGINE LOG

1. Make:	Austro Engines GmbH
2. Model:	E4-A
3. Specification:	E00081EN
4. Manufacturer's Serial Number:	E4-A-00588
5. Date of Manufacture:	APRIL 2019
6. Aircraft Inspection Cycle:	



SECTION 3A: Engine Service and Maintenance Log



DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

Registration: N853L
 AC Serial Number: 40.NC055
 Engine Serial Number: E4-A-00588
 Prop Serial Number: 190415
 Airframe Total Time: 3.7 HRS

D:

- Total Time Engine Brought forward from Flight Test Journey Log (DAI - Form Q-157): 3.7 HRS
- Engine installed new on Aircraft DA 40 NG, S/N: 40.NC055
- The following STC's are incorporated:
 - No STC's incorporated
- **Bi-weekly AWD check carried out to current revision 2019-12, all applicable AD's complied with, see attached.**
- The work described above was carried out IAW the applicable Standard of Airworthiness.

JUN 13 2019


 Inspector

date

(Intentionally left blank below this point)

Registration: N853L
 AC Serial Number: 40.NC055 Engine Serial Number: E4-A-00588
 Airframe/ Engine TT: 98.7
 Work Order: 186

Registration: N853L
 AC Serial Number: 40.NC055 Engine Serial Number: E4-A-00588
 Airframe/ Engine TT: 194.1
 Work Order: 250

Maintenance performed:

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft and engine MMs. Drained the engine and gearbox oil and replaced the engine oil and fuel filters. Inspected the old oil filter; found OK. Inspected Gearbox filter and found no metal. Serviced engine with 7 Liters of Areoshell Diesel Ultra oil. Refilled gearbox oil.

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft and engine MMs. Drained the engine and gearbox oil and replaced the engine oil and fuel filters. Inspected the old oil filter; found OK. Inspected Gearbox filter and found no metal. Serviced engine with 7 Liters of Aeroshell Diesel Ultra oil. Refilled gearbox oil.

I certify that this engine has been inspected IAW a 100 Hr. inspection and was found to be airworthy.

I certify that this engine has been inspected IAW a 100 Hr. inspection and was found to be airworthy.


 Date 07/25/2019
~~Date 06/26/2019~~
 Todd Overbeck  TDO


 Date 08/23/2019
 Todd Overbeck 

THIS PAGE TOTALS							
PREVIOUS TOTALS							
TOTALS SINCE NEW							

CARRY FORWARD to Top of Next Page

Registration: N853L
AC Serial Number: 40.NC055
Engine Serial Number: E4-A-00588
Airframe TT: 207.9

Maintenance performed:

Complied with AD 2018-07-16 by inspecting and finding the alternative load path (waste-gate con-rod fail-safe bridge) previously installed IAW the terminating action of Austro MSB E4-022/5. This is the terminating action for this AD IAW AMOC dated Mar 06 2019.


Gregory Dodson  Date: 08/27/2019

Registration: N853L
AC Serial Number: 40.NC055 Engine Serial Number: E4-A-00588
Airframe/ Engine TT: 389.6
Work Order: 363

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft and engine MMs. Drained the engine and gearbox oil and replaced the engine oil and fuel filters. Inspected the old oil filter; found OK. Inspected Gearbox filter and found no metal. Serviced engine with 7 Liters of Aeroshell Diesel Ultra oil. Refilled gearbox oil.

I certify that this engine has been inspected IAW a 100 Hr. inspection and was found to be airworthy.


William LaFoe  Date 10/14/2019

Registration: N853L Engine SN: E4-A-00588
AC Serial Number: 40.NC055
Airframe TT: 581.1 Hrs.

Maintenance performed:

Complied with 100 and 300HR inspections IAW FAR 43 appendix D and referencing the aircraft and engine MMs. Drained oil, inspected and replaced oil and fuel filters. Serviced engine oil with AeroShell Diesel Ultra. Replaced the gearbox oil filter. Drained the gearbox oil and serviced with Spirax-56-GXME. Serviced the coolant with Glystantin Protect Plus G48 referencing the engine MM. Run up and leak check good.

I certify that this engine has been inspected IAW 100 and 300Hr. inspections and was found to be airworthy.


William LaFoe  Date: 12/15/2019

Registration: N853L
AC Serial Number: 40.NC055 Engine Serial Number: E4-A-00588
Airframe/ Engine TT: 293.3
Work Order: 304

Maintenance performed:

Complied with 100 and 300HR inspections IAW FAR 43 appendix D and referencing the aircraft and engine MMs. Drained oil, inspected and replaced oil and fuel filters. Serviced engine oil with AeroShell Diesel Ultra. Replaced the gearbox oil filter. Drained the gearbox oil and serviced with Spirax-56-GXME. Serviced the coolant with Glystantin Protect Plus G48 referencing the engine MM. Run up and leak check good.

I certify that this engine has been inspected IAW 100 and 300Hr. inspections and was found to be airworthy.


Timothy Barker  Date 09/19/2019

Registration: N853L
AC Serial Number: 40.NC055 Engine Serial Number: E4-A-00588
Airframe/ Engine TT: 487.3

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft and engine MMs. Drained the engine and gearbox oil and replaced the engine oil and fuel filters. Inspected the old oil filter; found OK. Inspected Gearbox filter and found no metal. Serviced engine with 7 Liters of Aeroshell Diesel Ultra oil. Refilled gearbox oil.

I certify that this engine has been inspected IAW a 100 Hr. inspection and was found to be airworthy.


 Date 11/10/2019


Registration: N853L
AC Serial Number: 40.NC055 Engine Serial Number: E4-A-00588
Airframe/ Engine TT: 581.1

Maintenance performed:

Complied with a 600HR inspection IAW FAR 43 appendix D and referencing the aircraft and engine MMs. 2 Mass Flywheel inspected and passed inspection. High Pressure Pump Assy SN off: 12-04-12-03-00287, High Pressure Pump Assy. SN on: 19-07-15-02-00584. I/A/W Austro MM. Coolant tank drained and fluid replenished with Glystantin Protectant Plus G48. Ops check good.


Joshua Pereira 4140972 A&P Date: 12/17/2019

Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
BROUGHT FORWARD 						

DESCRIPTION OF WORK PERFORMED:
(INSPECTION, REPAIRS, REPLACEMENT)

Registration: N853L
AC Serial Number: 40.NC055 Engine Serial Number: E4-A-00588
Airframe/ Engine TT: 672.6

Registration: N853L
AC Serial Number: 40.NC055
Engine Serial Number: E4-A-00588
Airframe TT: 682.0
W/O: 666

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft and engine MMs. Drained the engine and gearbox oil and replaced the engine oil and fuel filters. Inspected the old oil filter; found OK. Inspected Gearbox filter and found no metal. Serviced engine with 7 Liters of AeroShell Diesel Ultra oil. Refilled gearbox oil.


Maintenance performed:

Performed MSB-E4-003/24 Rev. 14 ECU software update. Ops checks normal at this time

I certify that this engine has been inspected IAW a 100 Hr. inspection and was found to be airworthy.



Date: 02/05/2020

Timothy R Barker 


Date 01/31/2020

Samuel Hana 

Registration: N853L
AC Serial Number: 40.NC055 Engine Serial Number: E4-A-00588
Airframe/ Engine TT: 766
Work Order: 799

Registration: N853L
AC Serial Number: 40.NC055
Engine Serial Number: E4-A-00588
Airframe TT: 859.7
w/o 1105

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft and engine MMs. Drained the engine and gearbox oil and replaced the engine oil and fuel filters. Inspected the old oil filter; found OK. Inspected Gearbox filter and found no metal. Serviced engine with 7 Liters of AeroShell Diesel Ultra oil. Refilled gearbox oil.


Maintenance performed:

Updated EECU software to version 24 referencing Austro MSB-E4-003/25. and Diamond MSB 40NG-002 Rev 15

I certify that this engine has been inspected IAW a 100 Hr. inspection and was found to be airworthy.



Date: 07/14/2020

Dustin Wineinger 


Date 03/24/2020

Joshua Pereira 

Registration: N853L
AC Serial Number: 40.NC055 Engine Serial Number: E4-A-00588
Airframe/ Engine TT: 863.0
Work Order: 1060

Registration: N853L
AC Serial Number: 40.NC055
Engine SN: E4-A-00588
Airframe/ Engine TT: 899.2

W/O 1265

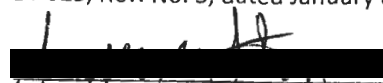
Maintenance performed:

Complied with 100 and 300HR inspections IAW FAR 43 appendix D and referencing the aircraft and engine MMs. Drained oil, inspected and replaced oil and fuel filters. Serviced engine oil with AeroShell Diesel Ultra. Replaced the gearbox oil filter. Drained the gearbox oil and serviced with Spirax-56-GXME. Serviced the coolant with Glystantin Protect Plus G48 referencing the engine MM. Run up and leak check good.


Maintenance performed:

Complied with AD 2020-14-07 Checking the records and not finding any windmill restarts performed and replacing Fuel Injectors IAW accomplishment/Instructions, paragraph 2.3 of Austro Engine Mandatory Service Bulletin (MSB) No. M- E4-025, Rev. No. 3, dated January 8, 2019

I certify that this engine has been inspected IAW 100 and 300Hr. inspections and was found to be airworthy.



Date 08/21/2020

Dustin Wineinger 

Date: 07/15/2020

Joseph McIntosh 

Engine TTSN 1241.8 TSO N/A
AC Serial Number: 40.NC055
Airframe TT: 1241.80
WO: 1785



LIFT MAINTENANCE

Registration: N853L
AC Serial Number: 40.NC055
Engine SN: E4-A-00588
Airframe/ Engine TT: 1272.5

W/O NA

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft and engine MM's. Drained the engine and gearbox oil and replaced the engine oil and fuel filters. Inspected the old oil filter; found OK. Inspected Gearbox filter and found no metal. Serviced engine with 7 Liters of Aeroshell Diesel Ultra oil. Refilled gearbox oil. Removed and replaced exhaust manifold gaskets in ref. to Austro MM. leak check good. Installed new gasket and torqued bolts on oil return line on turbocharger referencing Austro MM. Installed 4 new nuts for retting the turbo to the exhaust Manifold referencing Austro MM. Removed and replaced O-ring on oil return line and oil supply line to the turbocharger in ref. to Diamond MM and Austro MM. Found stud had been cross threaded and would not screw in straight. Cleaned out threads with a tap and re-installed stud referencing Austro MM. I certify that this engine has been inspected IAW a 100 Hr. inspection and was found to be airworthy.

The aircraft, or component(s) identified above was repaired, installed or inspected IAW regulations of Federal Aviation Administration and was determined airworthy and approved for return to service only for the work performed. Details of the work are on file at this repair station under work order 1785. Date: 2/2/2021

Signature: [Redacted] Employee Number: [Redacted]
LIFT Maintenance FAA CRS # 717R550D 2753 Cargo Drive, Indianapolis, IN 46241

LIFT MAINTENANCE

Registration: N853L ESN: E4-A-00588
Engine TTSN 1337.5 TSO N/A
AC Serial Number: 40.NC055
Airframe TT: 1337.50
WO: 2011

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft and engine MM's. Drained the engine and gearbox oil and replaced the engine oil and fuel filters. Inspected the old oil filter; found OK. Inspected Gearbox filter and found no metal. Serviced engine with 7 Liters of Aeroshell Diesel Ultra oil. Refilled gearbox oil. Complied with MSB-E4-029 installing the pressure valve hose restrictor. I certify that this engine has been inspected IAW a 100 Hr. inspection and was found to be airworthy.

The aircraft, or component(s) identified above was repaired, installed or inspected IAW regulations of Federal Aviation Administration and was determined airworthy and approved for return to service only for the work performed. Details of the work are on file at this repair station under work order 2011. Date: [Redacted]

Signature: [Redacted] Employee Number: [Redacted]
LIFT Maintenance FAA CRS # 717R550D 2753 Cargo Drive, Indianapolis, IN 46241



LIFT MAINTENANCE

Registration: N853L ESN: E4-A-00588
Engine TTSN 1432.5 TSO N/A
AC Serial Number: 40.NC0055
Airframe TT: 1432.50
WO: 2225

Maintenance performed:

Complied with a 100 and 300HR inspections IAW FAR 43 appendix D and referencing the aircraft and engine MM's. Drained the engine oil and replaced the engine oil and fuel filters. Serviced engine with 7 liters of Aeroshell Diesel Ultra oil. Inspected the old oil filter; found OK. Inspected Gearbox filter and found no metal. Replaced gearbox oil filter. Serviced gearbox with Spirax-S6-GXME. Serviced the coolant with Glysantin Protect Plus G48. I certify that this engine has been inspected IAW a 100 and 300HR inspections and was found to be airworthy.

The aircraft, or component(s) identified above was repaired, installed or inspected IAW regulations of Federal Aviation Administration and was determined airworthy and approved for return to service only for the work performed. Details of the work are on file at this repair station under work order 2225. Date: 5/25/2021

Signature: [Redacted] Employee Number: [Redacted]
LIFT Maintenance FAA CRS # 717R550D 2753 Cargo Drive, Indianapolis, IN 46241

Maintenance performed:

Complied with AD2020-22-14 (waste gate controller bridge) by checking the records and finding the terminating action was performed 08/27/2019 ETSN 207.9 under AMOC dated Mar 06 2019.

Date 02/24/2021

Gregory Dodson [Redacted]

Registration: N853L
AC Serial Number: 40.NC055
ESN: E4-A-00588
Airframe TT: 1386.1
Engine TSN: 1386.1
W.O: NA

EEG 14513



LIFT MAINTENANCE

Maintenance performed:

Complied with AD 2021-09-04 dated May 10, 2021 By inspecting records and not finding any oil pumps changed in the field and the engine SN is not listed in Austro MSB-E4-030/4, Revision 4 dated March 30, 2021.

Date 05/10/2021

Employee Number: [Redacted]

Gregory Dodson
Lift Maintenance FAA CRS# 717R550D 2753 Cargo Drive, Indianapolis, IN 46241

TOTALS

TOTALS
SINCE NEW

CARRY FORWARD to Top of Next Page



DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

Registration: N853L
 AC Serial Number: 40.NC055
 Engine Serial Number: E4-A-00588
 Prop Serial Number: 190415
 Airframe Total Time: 3.7 HRS

- Total Time Airframe Brought forward from Flight Test Journey Log (DAI - Form Q-157) : 3.7 HRS

- Compass Swing Performed:

- Date: 4 JUNE 2019
- Next Due: JUNE 2020

FOR	N	30	60	E	120	150
STEER	001	031	060	091	121	150
FOR	S	210	240	W	300	330
STEER	180	210	239	268	299	331

- Static Pressure system and Primary Altimeter (G1000) have been inspected and tested in accordance with CAR Standard 571, Appendix B and 14 CFR 91.411:

- Test Date: 23 MAY 2019
- Next Due: MAY 2021

- Stand By Altimeter:

- Factory Test Date: 25 FEBRUARY 2019
- Next Due: FEBRUARY 2021

- ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with CAR Standard 571, Appendix F and 14 CFR 91.217: & 91.413:

- Test Date: 23 MAY 2019
- Next Due: MAY 2021
- Programmed Registration: N853L
- Hex Code: N/A (U.S. Registration)

- The ELT was tested and inspected in Accordance with CAR Standard 571, Appendix G and 14 CFR 91.207(d) :

- Manufacturers Cert. date: 08/19
- Installation Inspected: 7 JUNE 2019
- Battery due: MAY 2026
- Next ELT inspection due: JUNE 7 2020
- ELT Programmed:
 - REG: N853L
 - HEX: N/A
 - Country: 366 (USA)
 - Beacon ID: ADC649263014291

- Emergency Battery Pack : Replacement Due Date : MAY 2021

- Garmin G1000 NXi Installation:

- Software System: 2948.11
- Checklist File: N/A
- Basemap Land 5.15
- SafeTaxi Data: Expires 20-JUN-2019
- Terrain Data: 3.00
- Obstacle Data: Expires 20-JUN-2019
- Navigation Data: Expires 20-JUN-2019
- Apt Directory: Expires 20-JUN-2019
- FliteCharts Data: Expires 20-JUN-2019
- IFR/VFR charts: 25-APR-2019


 Inspector

JUN 13 2019

date

(continued next page)



DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

Registration: N853L
AC Serial Number: 40.NC055
Engine Serial Number: E4-A-00588
Prop Serial Number: 190415
Airframe Total Time: 3.7 HRS

- Following limitations as per DA 40 AMM Chapter 4 (subject to change with revision):

Component	Hours	Years	Next Due:
Essential Bus	1000	-N/A-	1000 hrs
Pitot-Static System	1000	2	1000 hrs or MAY 2021
Bonding System	1000	-N/A-	1000 hrs
Emergency Battery	-N/A-	2	MAY 2021
ECU Backup Battery	-N/A-	1	MAY 2020

- The following STC's are incorporated:
 - SA01918LA, SA03366NY.
- THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS).
- I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO FAA TYPE CERTIFICATE A47CE Rev No. 16, AND IS IN A FIT AND SAFE STATE FOR FLIGHT.
- Bi-weekly AWD check carried out to current revision 2019-12, all applicable AD's complied with**
- The work described above was carried out IAW the applicable Standard of Airworthiness.



 Inspector

JUN 13 2019

 date

(Intentionally left blank below this point)

U.S. Standard Airworthiness Certificate, issued:

(Date) JUN 18 2019, has been installed in the Aircraft on behalf of FAA Farmingdale/Saddle Brook MIDO Section AIR-8A5 on:

(Date) JUN 18 2019

(Print) R. Saltou (Signature) _____



Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD							

Registration: N853L
 AC Serial Number: 40.NC055
 Airframe TT: 98.7
 Work Order: 186

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Next due at AFTT 198.7.

I certify that this aircraft has been inspected IAW a 100 Hr. inspection and was found to be airworthy.



 Date 07/25/2019
 A&P Robert Williams 

Registration: N853L
 AC Serial Number: 40.NC055
 Airframe TT: 194.1
 Work Order: 250

Maintenance performed:

Complied with a 100HR and 200HR inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Next due at AFTT 294.1.

I certify that this aircraft has been inspected IAW a 100 Hr. inspection and was found to be airworthy.



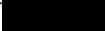
 Date 08/23/2019
 Robert Williams 

Registration: N853L
 AC Serial Number: 40.NC055
 Engine Serial Number: E4-A-00588
 Airframe TT: 230.5

Maintenance performed:

Replaced the left main tire with a new tire and replaced left brake linings referencing the Berringer MM.



 P Date: 09/01/2019
 William LaFoe 

Registration: N853L
 AC Serial Number: 40.NC055
 Engine Serial Number: E4-A-00588
 Airframe TT: 244.7

W.O. 288

Maintenance performed:

Replaced the right main tire with a new tire and replaced right brake linings all referencing the Beringer MM.



 Date: 09/08/2019
 William LaFoe 

Registration: N853L
 AC Serial Number: 40.NC055
 Airframe TT: 293.3
 Work Order: 304

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Next due at AFTT 393.3

I certify that this aircraft has been inspected IAW a 100 Hr. inspection and was found to be airworthy.



 Date 09/19/2019
 Timothy Barker 

Registration: N853L
 AC Serial Number: 40.NC055
 Airframe TT: 389.6

W.O. 363

Maintenance performed:

Replaced right and left brake linings referencing the Beringer MM.



 Date: 10/14/2019
 Joshua Pereira 

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 389.6
Work Order: 363

Maintenance performed:

Complied with a 100HR and 200HR inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Next due at AFTT 489.6.

I certify that this aircraft has been inspected IAW a 100 Hr. inspection and was found to be airworthy.


Date 10/14/2019
Joshua Pereira 

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 487.3

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Next due at AFTT 587.3.

I certify that this aircraft has been inspected IAW a 100 Hr. inspection and was found to be airworthy.


Date 11/10/2019
Joshua Pereira 

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 507.6
W.O. 449

Maintenance performed:

Replaced the left main tire with a new tire referencing the Berringer MM.


Date: 11/14/2019
Jacqueline Sugg A&P 

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 563.6

Maintenance performed:

Replaced right and left brake linings referencing the Beringer MM.


Date: 12/10/2019
Benric Guzman Rivera 

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 581.1 Hrs.

Maintenance performed:

Complied with 100 and 200HR inspections IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Next due at AFTT 681.1. Replaced the induction filter with a new PN RU-1620 filter. Run up and leak check good.

I certify that this aircraft has been inspected IAW 100 and 200Hr. inspections and was found to be airworthy.


Date: 12/15/2019
Joshua Pereira  A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 631.0

W/O 569

Maintenance performed:

Removed and replaced RH main landing gear tire IAW Berringer M/M. Leak check good.


Date 01/09/2020
Jacqueline Sugg  A&P

Section 1: Airframe Log

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 672.6

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Next due at AFTT 772.6. Removed and Replaced LH and RH brake disks and pads P/N DSC-009.3 ref. Beringer MM

I certify that this aircraft has been inspected IAW a 100 Hr. inspection and was found to be airworthy.

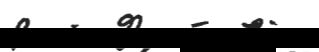


Date 01/31/2020
Mariah Loyd  A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 686.9

W.O. 682

Maintenance performed:

Removed fuel transfer pump P/N: 18002-B S/N: 210868 installed P/N: 18002-B S/N: 213325 leak and ops check good I/A/W. Diamond MM's.


Date: 02/11/2020
Benric Guzman Rivera  A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 759.8
W.O. 803

Maintenance performed:

Replaced the left main tire with a new tire referencing the Beringer MM.


Date: 03/21/2020
Joshua Pereira  A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 681.1

W/O 655

Maintenance performed:

Replaced sheet metal bracket P/N D44-7522-00-52 in ref to Diamond MM.

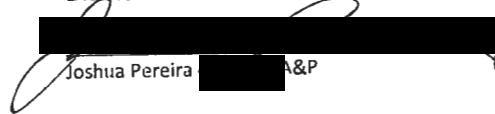


Date 02/04/2020
Joshua Pereira  A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 756.5

W.O. 795

Maintenance performed:

Replaced fuel transfer pump P/N 18002-B, S/N 213325 with new transfer pump, S/N 218610. Ops check good. I/A/W Diamond MM.




Date: 03/20/2020
Joshua Pereira  A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 766
Work Order: 799

Maintenance performed:

Complied with a 100HR and 200HR inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Removed and replaced LH MLG tire P/N: 025-501-1 in ref. Beringer MM. Next due at AFTT 866.

I certify that this aircraft has been inspected IAW a 100 Hr. inspection and was found to be airworthy.


Date 03/24/2020
Joshua Pereira  A&P

Registration: N853L
AC Serial Number: 40.NC053
Airframe TT: 766.0
WO 836




Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 780


W.O. # 890

Maintenance performed:

Complied with an annual inspection IAW FAR 43 appendix D and referencing the Diamond DA 40 NG AMM. Inspected and tested the ELT IAW 14CFR Part 91.207 (D) 1-4. Next due 05/2021. Performed Compass swing, auto pilot mechanical check, replaced the ECU backup batteries, resecured the rubber cushion on the left and right main gear clamps and touched up the fire paint on the cowling referencing the aircraft MM. Performed the Amsafe annual inspection referencing Amsafe supplemental Instructions for Continued Airworthiness. Run up and leak checks good.

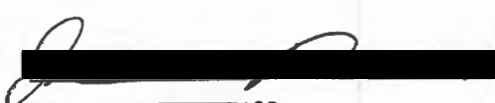
I certify that this aircraft has been inspected IAW an Annual inspection and was found to be airworthy.




Date 05/20/2020
Gregory Dodson  A&P

Maintenance performed:

Removed and replaced prop governor p/n p-853-16 s/n 19G035-I/G with new prop governor S/N 20G129-I/G. Ops check good.



Date 5/29/2020
Joshua Pereira  A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 822.2
W.O. 971

Maintenance performed:

Replaced right and left brake linings referencing the Beringer MM and Diamond Amm's. Removed and replaced Rt tire in ref to berringer and diamond AMM's.



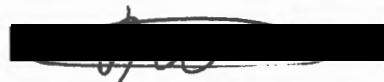
Date: 06/14/2020
Dustin Wineinger  A&P


Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 863.0
Work Order: 1060

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Next due at AFTT 963.0

I certify that this aircraft has been inspected IAW a 100 Hr. inspection and was found to be airworthy.



Date: 07/15/2020
Dustin Wineinger A&P 

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 920.1
W.O. 1293

Maintenance performed:

Removed and replace nose tire in ref to berringer and diamond amms.



Date 08/27/2020
Dustin Wineinger A&P 

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 937.4

W/O 1307

Maintenance performed:

Removed and replaced RH main landing gear tire IAW Berringer M/M. Leak check good.



Date 08/31/2020
Mariah Loyd  A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 958.0
Work Order: 1331

Maintenance performed:

Complied with a 100HR and 200HR inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Removed and replaced LH MLG tire P/N: 025-501-1 in ref. Beringer MM. Next due at AFTT 1058. Removed and replace rear seat access panel anchor nut, P/N: LN29985-M6 IRT Diamond MM.

I certify that this aircraft has been inspected IAW a 100 Hr. inspection and was found to be airworthy.

Date 09/10/2020

Joseph McIntosh [redacted] A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 958

W.O. 1358

Maintenance performed:

Removed and replaced left tire in ref to beringer and diamond AMMS.

Date:09/13/2020

Dustin Wineinger A&P [redacted]

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 1009.2

W.O. 1448

Maintenance performed:

Removed and replaced lt and rt brakes in ref to beringer and diamond AMMS.

Date:09/13/2020

Dustin Wineinger A&P [redacted]

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 1014.8
W/O 1462

Maintenance performed:

Inspected the elastomer pack center tube, tested the fuel low level switches, tested the Essential bus and performed the bonding system and static discharging system tests. All referencing the Aircraft MM.

Date: 10/08/2020

Joseph McIntosh [redacted] A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 1050.8

Maintenance performed:

Complied with MSB40NG-067 by installing P/N 50FH-007-5BNC attenuator.

Date 10/20/2020

Mariah Loyd [redacted] A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 1050.8
Work Order: 1498

Maintenance performed:

Removed and Replaced Fuel quantity Probe and O-ring, P/N: D4D-2817-13-00X01 and DIN3771-23.4X3.53. IRT Diamond MM. Ops. check Good.

Date 10/22/2020

Joshua Pereira [redacted] A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 1052.8
WO 1485

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Next due at AFTT 1152.8.

I certify that this aircraft has been inspected IAW a 100 Hr. inspection and was found to be airworthy.

Date 10/24/2020

Dustin Wineinger A&P [Redacted]



LIFT MAINTENANCE

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 1147.50
WO: 1600

Maintenance performed:

Complied with 100 and 200HR inspections IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Next due at AFTT 1247.5. Replaced the induction filter with a new PN RU-1620 filter. Replaced coolant O-ring P/N DIN3771-26X2-FPM75 IRT Diamond MM. Run up and leak check good.

I certify that this aircraft has been inspected IAW 100 and 200Hr. inspections and was found to be airworthy

Date:11/28/2020

Signature: [Redacted]
Joseph McIntosh A&P

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 1241.80
WO: 1785



LIFT MAINTENANCE

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Next due at AFTT 1341.8. Removed and replaced coolant bleeding screw sealing ring in ref to Diamond MM. Leak check good. Replaced LH and RH bake linings with new linings referencing Beringer MM. Removed and replaced elbow charge hose ref to Diamond MM. Removed and replaced top cowling S/N C468 with serviceable top cowling S/N C472 in ref. to Diamond MM. Removed and replaced lower cowling S/N C429 with serviceable lower cowling S/N C385 in ref. to Diamond MM. Installed new camloc, spring and guide ring referencing Diamond MM. I certify that this aircraft has been inspected IAW a 100 Hr. inspection and was found to be airworthy

The aircraft, or component(s) identified above was repaired, installed or inspected IAW regulations of Federal Aviation Administration and was determined airworthy and approved for return to service only for the work performed. Details of the work are on file at this repair station under work order 1785. Date:2/3/2021

Signature: [Redacted] Employee Number: [Redacted]
LIFT Maintenance FAA CRS # 2753 Cargo Drive

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 1337.50
WO: 2011



LIFT MAINTENANCE

Maintenance performed:

Complied with a 100/200HR inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, dated July 22, 2016. Next due at AFTT 1437.5. Replaced the induction filter with a new PN RU-1620 filter. I certify that this aircraft has been inspected IAW a 100/200Hr. inspection and was found to be airworthy.

The aircraft, or component(s) identified above was repaired, installed or inspected IAW regulations of Federal Aviation Administration and was determined airworthy and approved for return to service only for the work performed. Details of the work are on file at this repair station under work order 2011. Date:1/2/2021

Signature: [Redacted] Employee Number: [Redacted]
LIFT Maintenance FAA CRS # 2753 Cargo Drive, Indianapolis, IN 46241



LIFT MAINTENANCE

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 1253.90
WO: 1837

Maintenance performed:

I certify that the altimeter and static system tests required by 14 CFR part 91, 91.411 and transponder tests, including data correspondence, required by 91.413, have been performed and found to comply with 14 CFR part 43, appendices E and F.

Altimeter Model GDC72 Serial No. 455001454
Altimeter Model 5934PD-3 Serial No. 51642
Transponder Model GTX335R Serial No. 3EH023394
The altimeter was tested to 20,000 feet on 2/15/2021.

The transponder was tested on 2/15/2021.

Encoder data correspondence was tested to 20,000 feet on 2/15/2021.

Static system leak tested on 2/15/2021.
The aircraft, or component(s) identified above was repaired, installed or inspected IAW regulations of Federal Aviation Administration and was determined airworthy and approved for return to service only for the work performed. Details of the work are on file at this repair station under work order 1837. Date:2/15/2021

Signature: [Redacted] Employee Number: [Redacted]
LIFT Maintenance FAA CRS # 7L7R550D 2753 Cargo Drive, Indianapolis, IN 46241

Registration: N853L
AC Serial Number: 40.NC055
Airframe TT: 1432.50
WO: 2225



LIFT MAINTENANCE

Maintenance performed:

Complied with an annual inspection and 100HR inspection IAW FAR 43 appendix D and referencing the Diamond DA 40 NG AMM. Complied with AD 2016-23-03 Dated November 29, 2016 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH (DAI) Work Instruction WI-MSB 40NG-046, dated July 14, 2016, as specified in DAI Mandatory Service Bulletin MSB 40NG-046/2, Dated August 4, 2020 Next due at AFTT1532.5. Inspected and tested the ELT IAW 14CFR Part 91.207 (D) 1-4. Next due 05/25/2022. Performed Compass swing, auto pilot mechanical check and replaced the ECU backup batteries and emergency battery referencing the aircraft MM. Run up and leak checks good. Performed the Amsafe annual inspection referencing Amsafe supplemental Instructions for Continued Airworthiness. Run up and leak checks good. I certify that this aircraft has been inspected IAW an Annual inspection and 100HR inspection and was found to be airworthy.

The aircraft, or component(s) identified above was repaired, installed or inspected IAW regulations of Federal Aviation Administration and was determined airworthy and approved for return to service only for the work performed. Details of the work are on file at this repair station under [Redacted]

Signature: [Redacted] Employee Number: [Redacted]
LIFT Maintenance FAA CRS # 2753 Cargo Drive, Indianapolis, IN 46241